

**BRFSS/ASTHMA SURVEY  
CHILD QUESTIONNAIRE - 2008  
CATI SPECIFICATIONS**

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<b>Section</b>	<b>Subject</b>	<b>Page</b>
<b>Section 1</b>	<b>Introduction.....</b>	<b>02</b>
<b>Section 2</b>	<b>Informed Consent.....</b>	<b>03</b>
<b>Section 3</b>	<b>Recent History.....</b>	<b>04</b>
<b>Section 4</b>	<b>History of Asthma (Symptoms &amp; Episodes).....</b>	<b>06</b>
<b>Section 5</b>	<b>Health Care Utilization.....</b>	<b>09</b>
<b>Section 6</b>	<b>Knowledge of Asthma/Management Plan.....</b>	<b>14</b>
<b>Section 7</b>	<b>Modifications to Environment.....</b>	<b>16</b>
<b>Section 8</b>	<b>Medications.....</b>	<b>20</b>
<b>Section 9</b>	<b>Cost of Care.....</b>	<b>31</b>
<b>Section 10</b>	<b>School Related Asthma .....</b>	<b>33</b>
<b>Section 11</b>	<b>Complimentary and Alternative Therapy .....</b>	<b>38</b>
<b>Section 12</b>	<b>Additional Child Demographics .....</b>	<b>40</b>
<b>Appendix A:</b>	<b>Language for Identifying Most Knowledgeable Person... during the BRFSS interview.....</b>	<b>42</b>
<b>Appendix B:</b>	<b>Language for Identifying Most Knowledgeable Person... at the Call-back.....</b>	<b>49</b>
<b>Appendix C:</b>	<b>Coding Notes and Pronunciation Guide. ....</b>	<b>57</b>

**[CATI: IF INTERVIEW BREAKS OFF AT ANY POINT LEAVE REMAINING FIELDS BLANK. DO NOT FILL WITH ANY VALUE.]**

MISDIAGNOSIS NOTE: If, during the survey, the interviewer discovers that the respondent never really had asthma because it was a misdiagnosis, then assign disposition code “470 Respondent was misdiagnosed; never had asthma” as a final code and terminate the interview.

### **Section 1. Introduction**

*For states identifying the Most Knowledgeable Person/Parent (MKP) at the BRFSS interview use language in Appendix A.*

*For states identifying the Most Knowledgeable Person/Parent (MKP) at the Asthma Call-Back use language in Appendix B.*

**Section 2. Informed Consent**

*For states identifying the Most Knowledgeable Person/Parent (MKP) at the BRFSS interview use language in Appendix A.*

*For states identifying the Most Knowledgeable Person/Parent (MKP) at the Asthma Call-Back use language in Appendix B.*

**Section 3. Recent History**

**AGEDX (3.1)                    How old was {child's name} when a doctor or other health professional first said {he/she} had asthma**

**[INTERVIEWER: ENTER 888 IF LESS THAN ONE YEARS OLD]**

\_\_\_\_\_ (ENTER AGE IN YEARS)  
**[RANGE CHECK: IS 001-018, 777, 888, 999]**

- (777) DON'T KNOW
- (888) Under 1 year old
- (999) REFUSED

**[CATI CHECK: IF RESPONSE = 77, 99, 88 VERIFY THAT 777, 888, 999 WERE NOT THE INTENT]**

**INCIDNT (3.2)                    How long ago was that? Was it...**

- READ CATEGORIES**
- (1) Within the past 12 months
  - (2) 1-5 years ago
  - (3) more than 5 years ago

- (7) DON'T KNOW
- (9) REFUSED

**LAST\_MD (3.3)                    How long has it been since you last talked to a doctor or other health professional about {child's name} asthma? This could have been in a doctor's office, the hospital, an emergency room or urgent care center.**

**[INTERVIEWER: READ RESPONSE OPTIONS IF NECESSARY]**

- (88) NEVER
- (04) WITHIN THE PAST YEAR
- (05) 1 YEAR TO LESS THAN 3 YEARS AGO
- (06) 3 YEARS TO 5 YEARS AGO
- (07) MORE THAN 5 YEARS AGO

- (77) DON'T KNOW
- (99) REFUSED

**LAST\_MED (3.4)                    How long has it been since {he/she} last took asthma medication?**  
**[INTERVIEWER: READ RESPONSE OPTIONS IF NECESSARY]**

- (88) NEVER
- (01) LESS THAN ONE DAY AGO
- (02) 1-6 DAYS AGO

- (03) 1 WEEK TO LESS THAN 3 MONTHS AGO
- (04) 3 MONTHS TO LESS THAN 1 YEAR AGO
- (05) 1 YEAR TO LESS THAN 3 YEARS AGO
- (06) 3 YEARS TO 5 YEARS AGO
- (07) MORE THAN 5 YEARS AGO

- (77) DON'T KNOW
- (99) REFUSED

**INTRODUCTION FOR LASTSYMP:**

**READ:** Symptoms of asthma include coughing, wheezing, shortness of breath, chest tightness or phlegm production when {child's name} **did not** have a cold or respiratory infection.

**LASTSYMP (3.5) How long has it been since {he/she} last had any symptoms of asthma?**  
**[INTERVIEWER: READ RESPONSE OPTIONS IF NECESSARY]**

- (88) NEVER
- (01) LESS THAN ONE DAY AGO
- (02) 1-6 DAYS AGO
- (03) 1 WEEK TO LESS THAN 3 MONTHS AGO
- (04) 3 MONTHS TO LESS THAN 1 YEAR AGO
- (05) 1 YEAR TO LESS THAN 3 YEARS AGO
- (06) 3 YEARS TO 5 YEARS AGO
- (07) MORE THAN 5 YEARS AGO

- (77) DON'T KNOW
- (99) REFUSED

**Section 4. History of Asthma (Symptoms & Episodes in past year)**

**IF LAST SYMPTOMS (LASTSYMP 3.5) WERE WITHIN THE PAST 3 MONTHS (1, 2 OR 3) CONTINUE. IF LAST SYMPTOMS (LASTSYMP 3.5) WERE 3 MONTHS TO 1 YEAR AGO (4), SKIP TO EPISODE INTRODUCTION (EPIS\_INT - BETWEEN 4.4 AND 4.5); IF LAST SYMPTOMS (LASTSYMP 3.5) WERE 1-5+ YEARS AGO (05, 06 OR 07), SKIP TO SECTION 5; IF NEVER HAD SYMPTOMS (88), SKIP TO SECTION 5, IF DK/REF (77, 99) CONTINUE.**

**IF LASTSYMP = 1, 2, 3 then continue  
IF LASTSYMP = 4 SKIP TO EPIS\_INT (between 4.4 and 4.5)  
IF LASTSYMP = 88, 5, 6, 7 SKIP TO INS1 (Section 5)  
IF LASTSYMP = 77, 99 then continue**

**SYMP\_30D (4.1) During the past 30 days, on how many days did {child's name} have any symptoms of asthma?**

\_\_ \_\_ DAYS  
[RANGE CHECK: (01-30, 77, 88, 99)]  
CLARIFICATION: [1-29, 77, 99] [SKIP TO 4.3 ASLEEP30]  
  
(88) NO SYMPTOMS IN THE PAST 30 DAYS [SKIP TO EPIS\_INT]  
(30) EVERY DAY [CONTINUE]  
  
(77) DON'T KNOW [SKIP TO 4.3 ASLEEP30]  
(99) REFUSED [SKIP TO 4.3 ASLEEP30]

**DUR\_30D (4.2) Does { he/she } have symptoms all the time? "All the time" means symptoms that continue throughout the day. It does not mean symptoms for a little while each day.**

(1) YES  
(2) NO  
  
(7) DON'T KNOW  
(9) REFUSED

**ASLEEP30 (4.3) During the past 30 days, on how many days did symptoms of asthma make it difficult for { him/her } to stay asleep?**

\_\_ \_\_ DAYS/NIGHTS  
[RANGE CHECK: (01-30, 77, 88, 99)]  
  
(88) NONE  
(30) Every day  
  
(77) DON'T KNOW  
(99) REFUSED

**SYMPFREE (4.4)**

**During the past two weeks, on how many days was {child's name} completely symptom-free, that is no coughing, wheezing, or other symptoms of asthma?**

\_\_\_\_ Number of days  
**[RANGE CHECK: (01-14, 77, 88, 99)**

(88) NONE

(77) DON'T KNOW

(99) REFUSED

**EPIS\_INT**

**IF LAST SYMPTOMS WAS 3 MONTHS TO 1 YEAR AGO (LASTSYMP = 4)  
PICK UP HERE, SYMPTOMS WITHIN THE PAST 3 MONTHS (LASTSYMP 3.5  
1, 2 OR 3) CONTINUE HERE AS WELL**

**READ:** Asthma attacks, sometimes called episodes, refer to periods of worsening asthma symptoms that make you limit your activity more than you usually do, or make you seek medical care.

**EPIS\_12M (4.5)**

**During the past 12 months' has {child's name} had an episode of asthma or an asthma attack?**

(1) YES

(2) NO

**[SKIP TO INS1 in Section 5]**

(7) DON'T KNOW

(9) REFUSED

**[SKIP TO INS1 in Section 5]**

**[SKIP TO INS1 in Section 5]**

**EPIS\_TP (4.6)**

**During the past three months, how many asthma episodes or attacks has { he/she } had?**

\_\_\_\_\_  
**[RANGE CHECK: (001-100, 777, 888, 999)]**

(888) NONE

(777) DON'T KNOW

(999) REFUSED

**[CATI CHECK: IF RESPONSE = 77, 88, 99 VERIFY THAT 777, 888 AND 999 WERE NOT THE INTENT]**

**DUR\_ASTH (4.7)**

**How long did {his/her} **MOST RECENT** asthma episode or attack last?**

1\_\_ Minutes

2\_\_ Hours  
3\_\_ Days  
4\_\_ Weeks  
5 5 5 Never  
7 7 7 Don't know / Not sure  
9 9 9 Refused

Interviewer note:

If answer is #.5 to #.99 round up

If answer is #.01 to #.49 ignore fractional part

ex. 1.5 should be recorded as 2

1.25 should be recorded as 1

**COMPASTH (4.8) Compared with other episodes or attacks, was this most recent attack shorter, longer, or about the same?**

- (1) SHORTER
- (2) LONGER
- (3) ABOUT THE SAME
- (4) THE MOST RECENT ATTACK WAS ACTUALLY THE FIRST ATTACK
  
- (7) DON'T KNOW
- (9) REFUSED

**Section 5. Health Care Utilization**

All respondents continue here:

**INS1 (5.1) Does {child's name} have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plans such as Medicare or Medicaid?**

- (1) YES [continue]
- (2) NO [SKIP TO FLU\_SHOT]
  
- (7) DON'T KNOW [SKIP TO FLU\_SHOT]
- (9) REFUSED [SKIP TO FLU\_SHOT]

**INS\_TYP (5.2) What kind of health care coverage does {he/she} have? Is it paid for through the parent's employer, or is it Medicaid, Medicare, Children's Health Insurance Program (CHIP), or some other type of insurance?**

- (1) parent's employer
- (2) medicaid/medicare
- (3) CHIP {replace with state specific name}
- (4) Other
  
- (7) DON'T KNOW
- (9) REFUSED

**INS2 (5.3) During the past 12 months was there any time that { he/she } did not have any health insurance or coverage?**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**FLU\_SHOT (5.4) A flu shot is an influenza vaccine injected in your arm. During the past 12 months, did {CHILD'S NAME} have a flu shot?**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**FLU\_SPRAY (5.5)** A flu vaccine that is sprayed in the nose is called FluMist™. During the past 12 months, did {he/she} have a flu vaccine that was sprayed in his/her nose?

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

The best known value for whether or not the child “still has asthma” is used in the skip below. It can be the previously answered BRFSS module value or the answer to CUR\_ASTH (2.2) if this question is asked in this call back survey. If the respondent confirms in the “Informed Consent” question that the previously answered BRFSS module value is correct then the value from the BRFSS module question (BRFSS M2.2) is used. If the respondent does not agree with the previous BRFSS module value in “Informed Consent” then the question REPEAT (2.0) was asked (REPEAT = 1) then the value for CUR\_ASTH (2.2) “Do you still have asthma?” is used.

**IF respondent agrees (1. Yes) with “Informed Consent”:**

**IF BRFSS module value for M2.2, “Does the child still have asthma?” = 2 (No), 7 (DK), or 9 (Refused)**  
**AND**  
**(LAST\_MD (3.3) = 88 (Never) or 05, 06, 07, 77 or 99) AND**  
**(LAST\_MED (3.4) = 88 (Never) or 05, 06, 07, 77 or 99) AND**  
**(LASTSYMP (3.5) = 88 (Never) or 05, 06, 07, 77 or 99)**  
**THEN SKIP TO Section 6; otherwise continue with Section 5.**

*The above “if” statement can also be restated in different words as:*

**IF BRFSS module value for M2.2, “Does the child still have asthma?” = 2 (No), 7 (DK), or 9 (Refused)**  
**AND**  
**((LAST\_MD = 4) OR**  
**(LAST\_MED = 1, 2, 3 or 4) OR**  
**(LASTSYMP = 1, 2, 3 or 4)**  
**THEN Continue with Section 5 otherwise skip to Section 6)**

**IF BRFSS module value for M2.2, “Does the child still have asthma?” = 1 (Yes), continue to Section 5.**

**IF respondent DOES NOT agree 2 (No) with “Informed Consent” REPEAT = 1:**

**IF CUR\_ASTH (2.2) = 2 (No), 7 (DK), or 9 (Refused) AND**  
**(LAST\_MD (3.3) = 88 (Never) or 05, 06, 07, 77 or 99) AND**

**(LAST\_MED (3.4) = 88 (Never) or 05, 06, 07, 77 or 99) AND  
(LASTSYMP (3.5) = 88 (Never) or 05, 06, 07, 77 or 99)  
THEN SKIP TO Section 6; otherwise continue with Section 5.**

*The above “if” statement can also be restated in different words as:*

**IF CUR\_ASTH (2.2) = 2 (No), 7 (DK), or 9 (Refused) AND  
( (LAST\_MD = 4) OR  
(LAST\_MED = 1, 2, 3 or 4) OR  
(LASTSYMP = 1, 2, 3 or 4)  
THEN Continue with Section 5; otherwise skip to Section 6)**

**IF CUR\_ASTH (2.2) = 1 (Yes) continue to section 5.**

**ACT\_DAYS (5.6) During the past 12 months, would you say {child’s name} limited {his/her} usual activities due to asthma not at all, a little, a moderate amount, or a lot?**

- (1) NOT AT ALL
- (2) A LITTLE
- (3) A MODERATE AMOUNT
- (4) A LOT
  
- (7) DON’T KNOW
- (9) REFUSED

**NR\_TIMES (5.7) [IF LAST\_MD= 88, 05, 06, 07; SKIP TO Section 6  
(have not seen a doctor in the past 12 months)]**

**During the past 12 months how many times did {he/she} see a doctor or other health professional for a routine checkup for {his/her} asthma?**

\_\_\_\_ ENTER NUMBER  
[RANGE CHECK: (001-365, 777, 888, 999)] [Verify any value >50]

[CATI CHECK: IF RESPONSE = 77, 88, 99 VERIFY THAT 777, 888, AND 999 WERE NOT THE INTENT]

- (888) NONE
  
- (777) DON’T KNOW
- (999) REFUSED

**ER\_VISIT (5.8) An urgent care center treats people with illnesses or injuries that must be addressed immediately and cannot wait for a regular medical appointment. During the past 12 months, has {child’s name} had to visit an emergency room or urgent care center because of {his/her} asthma?**

- (1) YES
- (2) NO [SKIP TO URG\_TIME]
- (7) DON'T KNOW [SKIP TO URG\_TIME]
- (9) REFUSED [SKIP TO URG\_TIME]

**ER\_TIMES (5.9) During the past 12 months, how many times did { he/she } visit an emergency room or urgent care center because of {his/her} asthma?**

\_\_\_\_ ENTER NUMBER  
 [RANGE CHECK: (001-365, 777, 999)] [Verify any entry >50]

- (888) ZERO (skip back to 5.8)
- (777) DON'T KNOW
- (999) REFUSED

[CATI CHECK: IF RESPONSE = 77, 99 VERIFY THAT 777 AND 999 WERE NOT THE INTENT]

[CATI CHECK: IF RESPONSE TO 5.8 IS "YES" AND RESPONDENT SAYS NONE OR ZERO TO 5.9 ALLOW LOOPING BACK TO CORRECT 5.8 TO "NO"]

[HELP SCREEN: An urgent care center treats people with illnesses or injuries that must be addressed immediately and cannot wait for a regular medical appointment.]

**URG\_TIME (5.10) [IF ONE OR MORE ER VISITS (ER\_VISIT (5.8) = 1) INSERT "Besides those emergency room or urgent care center visits,"]**

**During the past 12 months, how many times did {child's name} see a doctor or other health professional for urgent treatment of worsening asthma symptoms or an asthma episode or attack?**

\_\_\_\_ ENTER NUMBER  
 [RANGE CHECK: (001-365, 777, 888, 999)] [Verify any entry >50]

- (888) NONE
- (777) DON'T KNOW
- (999) REFUSED

[CATI CHECK: IF RESPONSE = 77, 88, 99 VERIFY THAT 777, 888 AND 999 WERE NOT THE INTENT]

[HELP SCREEN: An urgent care center treats people with illnesses or injuries that must be addressed immediately and cannot wait for a regular medical appointment.]

HOSP\_VST (5.11) **[IF LASTSYMP ≥ 5 AND ≤ 7, SKIP TO SECTION 6  
IF LASTSYMP=88 (NEVER), SKIP TO SECTION 6]**

During the past 12 months, that is since [1 YEAR AGO TODAY], has {child's name} had to stay overnight in a hospital because of {his/her} asthma? Do not include an overnight stay in the emergency room.

- (1) YES
- (2) NO [SKIP TO Section 6]
- (7) DON'T KNOW [SKIP TO Section 6]
- (9) REFUSED [SKIP TO Section 6]

HOSPTIME (5.12) During the past 12 months, how many different times did {he/she} stay in any hospital overnight or longer because of {his/her} asthma?

\_\_\_\_\_ TIMES  
[RANGE CHECK: (001-365, 777, 999)] [Verify any entry >50]

- (777) DON'T KNOW
  - (999) REFUSED
- [CATI CHECK: IF RESPONSE = 77, 99 VERIFY THAT 777 AND 999 WERE NOT THE INTENT]

**[CATI CHECK: IF RESPONSE TO 5.11 IS "YES" AND RESPONDENT SAYS NONE OR ZERO TO 5.12 ALLOW LOOPING BACK TO CORRECT 5.11 TO "NO"]**

HOSPPLAN (5.13) The last time {he/she} left the hospital, did a health professional **TALK** with you or {child's name} about how to prevent serious attacks in the future?

- (1) YES
- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

**[HELP SCREEN: Health professional includes doctors, nurses, physician assistants, nurse practitioners, and health educators. This should not be coded yes if the respondent only received a pamphlet or instructions to view a website or video since the question clearly states "talk with you". ]**

**Section 6. Knowledge of Asthma/Management Plan**

**TCH\_SIGN (6.1) Has a doctor or other health professional ever taught you or {child's name}...**

a. How to recognize early signs or symptoms of an asthma episode?

**[HELP SCREEN: Health professional includes doctors, nurses, physician assistants, nurse practitioners, and health educators]**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**TCH\_RESP (6.2) Has a doctor or other health professional ever taught you or {child's name}...**

b. What to do during an asthma episode or attack?

**[HELP SCREEN: Health professional includes doctors, nurses, physician assistants, nurse practitioners, and health educators]**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**TCH\_MON (6.3) A peak flow meter is a hand held device that measures how quickly you can blow air out of your lungs. Has a doctor or other health professional ever taught you or {child's name}...**

c. How to use a peak flow meter to adjust his/her daily medications?

**[HELP SCREEN: Health professional includes doctors, nurses, physician assistants, nurse practitioners, and health educators]**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**MGT\_PLAN (6.4) An asthma action plan, or asthma management plan, is a form with instructions about when to change the amount or type of medicine, when to call the doctor for advice, and when to go to the emergency room.**

**Has a doctor or other health professional EVER given you or {child's name}....an asthma action plan?**

**[HELP SCREEN: Health professional includes doctors, nurses, physician assistants, nurse practitioners, and health educators]**

(1) YES

(2) NO

(7) DON'T KNOW

(9) REFUSED

**MGT\_CLAS (6.5)**

**Have you or {child's name} ever taken a course or class on how to manage {his/her} asthma?**

(1) YES

(2) NO

(7) DON'T KNOW

(9) REFUSED

## Section 7. Modifications to Environment

**HH\_INT**      **READ:** The following questions are about {child's name} household and living environment. I will be asking about various things that may be related to experiencing symptoms of asthma.

**AIRCLEANER (7.1)**      **An air cleaner or air purifier can filter out pollutants like dust, pollen, mold and chemicals. It can be attached to the furnace or free standing. It is not, however, the same as a normal furnace filter.**

**Is an air cleaner or purifier regularly used inside {child's name} home?**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**DEHUMID (7.2)**      **A dehumidifier is a small, portable appliance which removes moisture from the air.**

**Is a dehumidifier regularly used to reduce moisture inside {his/her} home?**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**KITC\_FAN (7.3)**      **Is an exhaust fan that vents to the outside used regularly when cooking in the kitchen in {his/her} home?**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**COOK\_GAS (7.4)**      **Is gas used for cooking in {his/her} home?**

- (1) Yes
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**ENV\_MOLD (7.5)**      **In the past 30 days, has anyone seen or smelled mold or a musty odor inside in {his/her} home? Do not include mold on food.**

- (1) YES

- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

**ENV\_PETS (7.6) Does {child's name} home have pets such as dogs, cats, hamsters, birds or other feathered or furry pets that spend time indoors?**

- (1) YES
- (2) NO (SKIP TO 7.8)
- (7) DON'T KNOW (SKIP TO 7.8)
- (9) REFUSED (SKIP TO 7.8)

**PETBEDRM (7.7) Is the pet allowed in {his/her} bedroom?**

**[SKIP THIS QUESTION IF ENV\_PETS = 2, 7, 9]**

- (1) YES
- (2) NO
- (3) SOME ARE/SOME AREN'T
- (7) DON'T KNOW
- (9) REFUSED

**C\_ROACH (7.8) In the past 30 days, has anyone seen cockroaches inside {child's name} home?**

- (1) YES
- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

**[HELP SCREEN: Studies have shown that cockroaches may be a cause of asthma. Cockroach droppings and carcasses can also cause symptoms of asthma.]**

**C\_RODENT (7.9) In the past 30 days, has anyone seen mice or rats inside {his/her} home? Do not include mice or rats kept as pets.**

- (1) YES
- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

**[HELP SCREEN: Studies have shown that rodents may be a cause of asthma.]**

**WOOD\_STOVE (7.10) Is a wood burning fireplace or wood burning stove used in {child's name} home?**

- (1) YES
- (2) NO

- (7) DON'T KNOW
- (9) REFUSED

**HELP SCREEN:** OCCASIONAL USE SHOULD BE CODED AS "YES".

**GAS\_STOVE (7.11)**      **Are unvented gas logs, unvented gas fireplaces, or unvented gas stoves used in {his/her} home?**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**[HELP SCREEN:** "Unvented" means no chimney or the chimney flue is kept closed during operation.]

**S\_INSIDE (7.12)**      **In the past week, has anyone smoked inside {his/her} home?**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**HELP SCREEN:** "The intent of this question is to measure smoke resulting from tobacco products (cigarettes, cigars, pipes) or illicit drugs (cannabis, marijuana) delivered by smoking (inhaling intentionally). Do not include things like smoke from incense, candles, or fireplaces, etc."

**MOD\_ENV (7.13)**      **INTERVIEWER READ:** Now, back to questions specifically about {child's name}.

**Has a health professional ever advised you to change things in {his/her} home, school, or work to improve his/her asthma?**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**[HELP SCREEN:** Health professional includes doctors, nurses, physician assistants, nurse practitioners, and health educators]

**MATTRESS (7.14)**      **Does {he/she} use a mattress cover that is made especially for controlling dust mites?**

**[INTERVIEWER:** If needed: This does not include normal mattress covers used for padding or sanitation (wetting). These covers are for the purpose of controlling allergens (like dust mites) from inhabiting the mattress. They are made of special fabric, entirely enclose the mattress, and have zippers.]

- (1) YES

- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

**E\_PILLOW (7.15) Does {he/she} use a pillow cover that is made especially for controlling dust mites?**

**[INTERVIEWER: If needed: This does not include normal pillow covers used for fabric protection. These covers are for the purpose of controlling allergens (like dust mites) from inhabiting the pillow. They are made of special fabric, entirely enclose the pillow, and have zippers.]**

- (1) YES
- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

**CARPET (7.16) Does {child's name} have carpeting or rugs in {his/her} bedroom? This does not include throw rugs small enough to be laundered.**

- (1) YES
- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

**HOTWATER (7.17) Are {his/her} sheets and pillowcases washed in cold, warm, or hot water?**

- (1) COLD
- (2) WARM
- (3) HOT
- DO NOT READ**
- (4) VARIES
- (7) DON'T KNOW
- (9) REFUSED

**BATH\_FAN (7.18) In {child's name} bathroom, does {he/she} regularly use an exhaust fan that vents to the outside?**

- (1) YES
- (2) NO OR "NO FAN"
- (7) DON'T KNOW
- (9) REFUSED

**HELP SCREEN: IF RESPONDENT INDICATES THEY HAVE MORE THAN ONE BATHROOM, THIS QUESTION REFERS TO THE BATHROOM THE CHILD USES MOST FREQUENTLY FOR SHOWERING AND BATHING.**

## Section 8. Medications

- OTC (8.1)** [IF LAST\_MED = 88 (NEVER), SKIP TO SECTION 9. ELSE, CONTINUE.]
- The next set of questions is about medications for asthma. The first few questions are very general, but later questions are very specific to {child's name} medication use.
- Over-the-counter medication can be bought without a doctor's order. Has {child's name} ever used over-the-counter medication for {his/her} asthma?
- (1) YES
  - (2) NO
  
  - (7) DON'T KNOW
  - (9) REFUSED
- INHALERE (8.2)** Has {he/she} ever used a prescription inhaler?
- (1) YES
  - (2) NO [SKIP TO SCR\_MED1]
  
  - (7) DON'T KNOW [SKIP TO SCR\_MED1]
  - (9) REFUSED [SKIP TO SCR\_MED1]
- INHALERH (8.3)** Did a health professional show {him/her} how to use the inhaler?
- (1) YES
  - (2) NO
  
  - (7) DON'T KNOW
  - (9) REFUSED
- [HELP SCREEN: Health professional includes doctors, nurses, physician assistants, nurse practitioners, and health educators]
- INHALERW (8.4)** Did a doctor or other health professional watch { him/her } use the inhaler?
- (1) YES
  - (2) NO
  
  - (7) DON'T KNOW
  - (9) REFUSED

SCR\_MED1 (8.5) [IF LAST\_MED = 4, 5, 6, 7, 77, or 99, SKIP TO SECTION 9]

Now I am going to ask questions about specific prescription medications {child's name} may have taken for asthma in the past 3 months. I will be asking for the names, amount, and how often {he/she} takes each medicine. I will ask separately about medication taken in various forms: pill or syrup, inhaler, and Nebulizer.

It will help to get {child's name} medicines so you can read the labels.

Can you please go get the asthma medicines while I wait on the phone?

- (1) YES
- (2) NO [SKIP TO INH\_SCR]
- (3) RESPONDENT KNOWS THE MEDS [SKIP TO INH\_SCR]
- (7) DON'T KNOW [SKIP TO INH\_SCR]
- (9) REFUSED [SKIP TO INH\_SCR]

SCR\_MED3 (8.7) [when Respondent returns to phone:] Do you have all the medications?

[INTERVIEWER: Read if necessary]

- (1) YES I HAVE ALL THE MEDICATIONS
- (2) YES I HAVE SOME OF THE MEDICATIONS BUT NOT ALL
- (3) NO
- (7) DON'T KNOW
- (9) REFUSED

INH\_SCR (8.8) [IF INHALERE (8.2) = 2 (NO) SKIP TO PILLS]  
In the past 3 months has {child's name} taken prescription asthma medicine using an inhaler?

- (1) YES
- (2) NO [SKIP TO PILLS]
- (7) DON'T KNOW [SKIP TO PILLS]
- (9) REFUSED [SKIP TO PILLS]

INH\_MEDS (8.9)

For the following inhalers the respondent can choose up to eight medications; **however, each medication can only be used once (in the past, errors such as 030303 were submitted in the data file).** When 66 (Other) is selected as a response, the series of questions ILP01 (8.11) to ILP10 (8.19) is not asked for that response.

In the past 3 months, what prescription asthma medications did {he/she} take by inhaler? [MARK ALL THAT APPLY. PROBE: Any other prescription asthma inhaler medications?]

[INTERVIEWER: IF NECESSARY, ASK THE RESPONDENT TO SPELL THE NAME OF THE MEDICATION.]

Note: the yellow numbered items below are new medications for 2008. Also, CATI programmers, note that the top ten items (in bold below) should be highlighted in the CATI system if possible so they can be found more easily.

	Medication	Pronunciation
01	<b>Advair (+ A. Diskus)</b>	ăd-vâr (or add-vair)
02	Aerobid	â-rô'bîd (or air-row-bid)
03	<b>Albuterol (+ A. sulfate or salbutamol)</b>	ăl'-bu'ter-ôl (or al-BYOO-ter-ole) sâl-byū'tə-môl'
04	Alupent	al-u-pent
40	<b>Asmanex (twisthaler)</b>	as-muh-neks twist-hey-ler
05	<b>Atrovent</b>	At-ro-vent
06	<b>Azmacort</b>	az-ma-cort
07	Beclomethasone dipropionate	bek"lo-meth'ah-son dī' pro'pe-o-nāt (or be-kloe-meth-a-son)
08	Beclivent	be' klo-vent" (or be-klo-vent)
09	<u>Bitolterol</u>	bi-tôl'ter-ôl (or bye-tole-ter-ole)
10	Brethaire	<b>breth-air</b>
11	<u>Budesonide</u>	byoo-des-oh-nide
12	<b>Combivent</b>	com-bi-vent
13	<u>Cromolyn</u>	kro'mô-lin (or KROE-moe-lin)
14	<b>Flovent</b>	flow-vent
15	Flovent Rotadisk	flow-vent row-ta-disk
16	<u>Flunisolide</u>	floo-nis'o-lîd (or floo-NISS-oh-lide)
17	<u>Fluticasone</u>	flue-TICK-uh-zone
34	Foradil	FOUR-a-dil
35	<u>Formoterol</u>	for moh' te rol
18	Intal	in-tel
19	<u>Ipratropium Bromide</u>	îp-rah-tro'pe-um bro'mîd (or ip-ra-TROE-pee-um)
37	<b>Levalbuterol tartrate</b>	lev-al-BYOU-ter-ohl
20	Maxair	măk-sâr
21	<u>Metaproteronol</u>	met"ah-pro-ter"l-nôl (or met-a-proe-TER-e-nole)
39	<b>Mometasone furoate</b>	moe-MET-a-son
22	<u>Nedocromil</u>	ne-DOK-roe-mil
23	<u>Pirbuterol</u>	pēr-bu'ter-ôl (or peer-BYOO-ter-ole)
41	<b>Pro-Air HFA</b>	proh-air HFA
24	<b>Proventil</b>	pro"ven-til' (or pro-vent-il)
25	<b>Pulmicort Turbuhaler</b>	pul-ma-cort tur-bo-hail-er
36	<b>QVAR</b>	q -vâr (or q-vair)
03	<b>Salbutamol (or Albuterol)</b>	sâl-byū'tə-môl'

26	<u>Salmeterol</u>	sal-ME-te-role
27	<b>Serevent</b>	<b>Sair</b> -a-vent
42	<b>Symbicort</b>	<b>sim</b> -buh-kohrt
28	<u>Terbutaline (+ T. sulfate)</u>	ter- <b>bu</b> 'tah-lēn (or ter- <b>BYOO</b> -ta-leen)
29	Tilade	<b>tie</b> -laid
30	Tornalate	<b>tor</b> -na-late
31	<u>Triamcinolone acetonide</u>	tri"am- <b>sin</b> 'o-lōn as"ū-tō-nīd' (or trye-am- <b>SIN</b> -oh-lone)
32	Vanceril	<b>van</b> -sir-il
33	Ventolin	<b>vent</b> -o-lin
38	<b>Xopenex HFA</b>	<i>ZOH-pen-ecks</i>
66	Other, Please Specify	[SKIP TO OTH_I1]

[IF RESPONDENT SELECTS ANY ANSWER <66, SKIP TO ILP01]

(88) NO PRESCRIPTION INHALERS [SKIP TO PILLS]

(77) DON'T KNOW [SKIP TO PILLS]

(99) REFUSED [SKIP TO PILLS]

[100 ALPHANUMERIC CHARACTER LIMIT FOR 66]

**OTH\_I1 (8.10) ENTER OTHER MEDICATION FROM (8.9) IN TEXT FIELD  
IF MORE THAN ONE MEDICATION IS GIVEN, ENTER ALL MEDICATIONS ON ONE  
LINE.**

**CATI programmers note that the text for 66 (other) should be checked to make sure one of the medication names above was not entered. If the medication entered is on the list above, then an error message should be shown.**

[LOOP BACK TO ILP01 AS NECESSARY TO ADMINSTER QUESTIONS ILP01 THRU ILP10 FOR EACH MEDICINE 01-42 REPORTED IN INH\_MEDS, BUT NOT FOR 66 (OTHER).]

[FOR FILL [MEDICINE FROM INH\_MEDS SERIES] FOR QUESTIONS ILP01 THROUGH ILP10]

[IF {MEDICINE FROM INH\_MEDS SERIES} IS 03, 04, 21, 24, OR 33 ASK ILP01 ELSE SKIP TO ILP02]

**ILP01 (8.11) Are there 80, 100, or 200 puffs in the [MEDICINE FROM INH\_MEDS SERIES] inhaler that {he/she} uses?**

[INTERVIEWER: A puff is a single inhalation or a single dose. Inhalers sometimes say "100 metered doses". Instructions are to use 2-3 inhalations (doses, puffs) each time. The 80 puff canister may say 6.8 g. The 100 puff canister may say 9 g and the 200 puff canister may say 17 g. or 18 g. depending on the brand being used. If it says 90 mcg (micrograms) it is referring to the individual puff, not the size of the canister.]

- (1) 80 PUFFS
- (2) 100 PUFFS
- (3) 200 PUFFS

- (4) Other number of puffs
- (5) USED DIFFERENT SIZES OF THIS MEDICATION IN PAST 3 MONTHS
  
- (7) DON'T KNOW
- (9) REFUSED

**ILP02 (8.12) How long has {child's name} been taking [MEDICINE FROM INH\_MEDS SERIES]?  
Would you say less than 6 months, 6 months to 1 year, or longer than 1 year?**

- (1) Less than 6 months
- (2) 6 months to 1 year
- (3) Longer than 1 year
  
- (7) DON'T KNOW
- (9) REFUSED

**IF [MEDICINE FROM INH\_MEDS SERIES] IS ADVAIR (01) OR FLOVENT ROTADISK (15) OR MOMETASONE FUROATE (39) OR ASMANEX (40) SKIP TO 8.14**

**ILP03 (8.13) A spacer is a small attachment for an inhaler that makes it easier to use. Does {he/she} use a spacer with [MEDICINE FROM INH\_MEDS SERIES]?**

- (1) YES
- (2) NO
- (3) Medication is a disk inhaler not a canister inhaler
  
- (7) DON'T KNOW
- (9) REFUSED

**[HELP SCREEN: A spacer is a device that attaches to a metered dose inhaler. It holds the medicine in its chamber long enough for you to inhale it in one or two slow, deep breaths. The spacer makes it easy to take the medicines the right way.]**

**[HELP SCREEN: The response category 3 (disk not canister) is primarily intended for medications Serevent (27), Salmeterol (26) and Flovent (14) which are known to come in disk type inhalers (which do not use a spacer). However, new medications may come on the market that will need this category so it can be used for other than 14, 26, and 27.]**

**ILP04 (8.14) In the past 3 months, did {child's name} take [MEDICINE FROM INH\_MEDS SERIES] when he/she had an asthma episode or attack?**

- (1) YES
- (2) NO
- (3) NO ATTACK IN PAST 3 MONTHS
  
- (7) DON'T KNOW
- (9) REFUSED

**ILP05 (8.15) In the past 3 months, did {he/she} take [MEDICINE FROM INH\_MEDS SERIES] before exercising?**

- (1) YES
- (2) NO
- (3) DIDN'T EXERCISE IN PAST 3 MONTHS

- (7) DON'T KNOW
- (9) REFUSED

**ILP06 (8.16) In the past 3 months, did {he/she} take [MEDICINE FROM INH\_MEDS SERIES] on a regular schedule everyday?**

- (1) YES
- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

**ILP07 (8.17) On average, how many puffs did {he/she} take each time he/she used [MEDICINE FROM INH\_MEDS SERIES]?**

\_\_\_ PUFFS EACH TIME  
**[RANGE CHECK: (01-76, 77, 99)]**

- (77) DON'T KNOW
- (99) REFUSED

**INTERVIEWER:** PROBE FOR NUMBER OF PUFFS IF RANGE IS GIVEN.

**ILP08 (8.18) How many times per day or per week did {he/she} use [MEDICINE FROM INH\_MEDS SERIES]?**

- 3 \_\_ Times per DAY **[RANGE CHECK: (>10)]**
- 4 \_\_ Times per WEEK **[RANGE CHECK: (>75)]**
- 5 5 5 Never
- 6 6 6 LESS OFTEN THAN ONCE A WEEK
- 7 7 7 Don't know / Not sure
- 9 9 9 Refused

**[RANGE CHECK: 301-399, 401-499, 555, 666, 777, 999]**

**[ASK ILP10 ONLY IF INH\_MEDS = 3, 4, 9, 10, 20, 21, 23, 24, 28, 30, 33, 37, 38, 41 OTHERWISE SKIP TO PILLS (8.20)]**

**ILP10 (8.19) How many canisters of [MEDICINE FROM INH\_MEDS SERIES] has {child's name} used in the past 3 months?**

**[INTERVIEWER: IF RESPONDENT USED LESS THAN ONE FULL CANISTER IN THE PAST THREE MONTHS, CODE IT AS '88']**

\_\_\_ CANISTERS

(77) DON'T KNOW

(88) NONE

(99) REFUSED

**[RANGE CHECK: (01-76, 77, 88, 99)]**

**[HELP SCREEN: IF RESPONDENT INDICATES THAT <CHILD> HAS MULTIPLE CANISTERS, (I.E., ONE IN THE CAR, ONE AT SCHOOL, ETC.) ASK THE RESPONDENT TO ESTIMATE HOW MANY FULL CANISTERS HE/SHE USED. THE INTENT IS TO ESTIMATE HOW MUCH MEDICATION IS USED, NOT HOW MANY DIFFERNT INHALERS.]**

**PILLS (8.20) In the past 3 months, has {he/she} taken any PRESCRIPTION medicine in pill form for his/her asthma?**

(1) YES

(2) NO

**[SKIP TO SYRUP]**

(7) DON'T KNOW

**[SKIP TO SYRUP]**

(9) REFUSED

**[SKIP TO SYRUP]**

**PILLS\_MD (8.21) For the following pills the respondent can chose up to five medications; however, each medication can only be used once (in the past, errors such as 232723 were submitted in the data file).**

What PRESCRIPTION asthma medications does {child's name} take in pill form?  
**[MARK ALL THAT APPLY. PROBE: Any other PRESCRIPTION asthma pills?]**

**[INTERVIEWER: IF NECESSARY, ASK THE RESPONDENT TO SPELL THE NAME OF THE MEDICATION.]**

**Note: the yellow numbered items below are new medications for 2008. Also, CATI programmers, note that the top ten items (in bold below) should be highlighted in the CATI system if possible so they can be found more easily.**

	<b>Medication</b>	<b>Pronunciation</b>
01	<b>Accolate</b>	<b>ac-o-late</b>
02	Aerolate	<b>air-o-late</b>
03	<b>Albuterol</b>	ăl'-bu'ter-ōl (or al-BYOO-ter-all)
04	Alupent	<b>al-u-pent</b>
49	<b>Brethine</b>	<b>breth-een</b>
05	Choledyl (oxtriphylline)	<b>ko-led-il</b>
07	Deltasone	<b>del-ta-sone</b>
08	Elixophyllin	e-licks-o-fil-in

11	Medrol	<b>Med</b> -rol
12	Metaprel	<b>Met</b> -a-prell
13	<u>Metaproteronol</u>	met"ah-pro- <b>ter</b> ŋ-nōl (or met-a-proe- <b>TER</b> -e-nole)
14	<u>Methylprednisolone</u>	meth-ill-pred- <b>niss</b> -oh-lone (or meth-il-pred- <b>NIS</b> -oh-lone)
15	<b>Montelukast</b>	mont-e- <b>lu</b> -cast
17	Pediapred	Pee- <b>dee</b> -a-pred
18	<b>Prednisolone</b>	pred- <b>NISS</b> -oh-lone
19	<b>Prednisone</b>	PRED-ni-sone
21	Proventil	pro- <b>ven</b> -til
23	Respird	<b>res</b> -pid
24	<b>Singulair</b>	<b>sing</b> -u-lair
25	Slo-phyllin	<b>slow</b> - fil-in
26	Slo-bid	<b>slow</b> -bid
48	<b>Terbutaline (+ T. sulfate)</b>	ter byoo' ta leen
28	Theo-24	<b>thee</b> -o-24
30	Theochron	<b>thee</b> -o-kron
31	Theoclear	<b>thee</b> -o-clear
32	<b>Theodur</b>	<b>thee</b> -o-dur
33	<b>Theo-Dur</b>	<b>thee</b> -o-dur
35	<b>Theophylline</b>	thee- <b>OFF</b> -i-lin
37	Theospan	<b>thee</b> -o-span
40	T-Phyl	<b>t</b> -fil
42	<b>Uniphyl</b>	<b>u</b> -ni-fil
43	Ventolin	<b>vent</b> -o-lin
44	Volmax	<b>vole</b> -max
45	<u>Zafirlukast</u>	za- <b>FIR</b> -loo-kast
46	Zileuton	zye- <b>loo</b> -ton
47	Zyflo Filmtab	<b>zye</b> -flow <b>film</b> tab
66	Other, please specify	[ <b>SKIP TO OTH_P1</b> ]

[IF

**RESPONDENT SELECTS ANY ANSWER FROM 01-47, SKIP TO PILLX]**

(88) NO PILLS

[**SKIP TO SYRUP]**

(77) DON'T KNOW

[**SKIP TO SYRUP]**

(99) REFUSED

[**SKIP TO SYRUP]**

[100 ALPHANUMERIC CHARACTER LIMIT FOR 66]

**OTH\_P1**

**ENTER OTHER MEDICATION IN TEXT FIELD**

**IF MORE THAN ONE MEDICATION IS GIVEN, ENTER ALL MEDICATIONS ON ONE LINE.**

**CATI programmers note that the text for 66 (other) should be checked to make sure one of the medication names above was not entered. If the medication entered is on the list above, then an error message should be shown.**

[**REPEAT QUESTION PILLX AS NECESSARY FOR EACH PILL 01-49 REPORTED IN PILLX\_MD, BUT NOT FOR 66 (OTHER).**]

**FOR FILL [MEDICATION LISTED IN PILLS\_MD] FOR QUESTION PILLX]**

**PILLX (8.22)                    How long has {child’s name} been taking [MEDICATION LISTED IN PILLS\_MD]?**

- (1) Less than 6 months
- (2) 6 months to 1 year
- (3) Longer than 1 year
  
- (7) DON’T KNOW
- (9) REFUSED

**SYRUP (8.23)                    In the past 3 months, has {he/she} taken prescription medicine in syrup form?**

- (1) YES
- (2) NO [SKIP TO NEB\_SCR]
  
- (7) DON’T KNOW [SKIP TO NEB\_SCR]
- (9) REFUSED [SKIP TO NEB\_SCR]

**SYRUP\_ID (8.24)                    For the following syrups the respondent can choose up to four medications; however, each medication can only be used once (in the past, errors such as 020202 were submitted in the data file).**

What PRESCRIPTION asthma medications has {child’s name} taken as a syrup? [MARK ALL THAT APPLY. PROBE: Any other PRESCRIPTION syrup medications for asthma?]

[INTERVIEWER: IF NECESSARY, ASK THE RESPONDENT TO SPELL THE NAME OF THE MEDICATION.]

	<b>Medication</b>	<b>Pronunciation</b>
01	Aerolate	<b>air</b> -o-late
02	Albuterol	ăl'- <b>bu</b> 'ter-ōl (or al-BYOO-ter-ole)
03	Alupent	<b>al</b> -u-pent
04	<u>Metaproteronol</u>	met"ah-pro- <b>ter</b> "-nōl (or met-a-proe-TER-e-nole)
05	<u>Prednisolone</u>	pred-NISS-oh-lone
06	Prelone	<b>pre</b> -loan
07	Proventil	Pro- <b>ven</b> -til
08	Slo-Phyllin	<b>slow</b> -fil-in
09	<u>Theophyllin</u>	thee-OFF-i-lin
10	Ventolin	<b>vent</b> -o-lin
66	Other, Please Specify:	[SKIP TO OTH_S1]

[IF RESPONDENT SELECTS ANY ANSWER FROM 01-10, SKIP TO NEB\_SCR]

(88) NO PILLS [SKIP TO NEB\_SCR]

(77) DON'T KNOW  
(99) REFUSED

[SKIP TO NEB\_SCR]  
[SKIP TO NEB\_SCR]

OTH\_S1

[100 ALPHANUMERIC CHARACTER LIMIT FOR 66]

**ENTER OTHER MEDICATION.**

**IF MORE THAN ONE MEDICATION IS GIVEN, ENTER ALL MEDICATIONS ON ONE LINE.**

**CATI programmers note that the text for 66 (other) should be checked to make sure one of the medication names above was not entered. If the medication entered is on the list above, then an error message should be shown.**

**NEB\_SCR (8.25) A nebulizer is a small machine with a tube and facemask or mouthpiece that you breathe through continuously. In the past 3 months, were any of {child's name} PRESCRIPTION asthma medicines used with a nebulizer?**

- (1) YES
- (2) NO [SKIP TO Section 9]
- (7) DON'T KNOW [SKIP TO Section 9]
- (9) REFUSED [SKIP TO Section 9]

**NEB\_PLC (8.26) I am going to read a list of places where your child might have used a nebulizer. Please answer yes if your child has used a nebulizer in the place I mention, otherwise answer no. In the past 3 months did {child's name} use a nebulizer ...**

- (8.26a) AT HOME**  
(1) YES (2) NO (7) DK (9) REF
- (8.26b) AT A DOCTOR'S OFFICE**  
(1) YES (2) NO (7) DK (9) REF
- (8.26c) IN AN EMERGENCY ROOM**  
(1) YES (2) NO (7) DK (9) REF
- (8.26d) AT WORK OR AT SCHOOL**  
(1) YES (2) NO (7) DK (9) REF
- (8.26e) AT ANY OTHER PLACE**  
(1) YES (2) NO (7) DK (9) REF

**NEB\_ID (8.27) For the following nebulizers the respondent can chose up to five medications; however, each medication can only be used once (in the past, errors such as 0101 were submitted in the data file).**

**In the past 3 months, what prescription ASTHMA medications has {he/she} taken using a nebulizer?**

**[INTERVIEWER: IF NECESSARY, ASK THE RESPONDENT TO SPELL THE NAME OF THE MEDICATION.]**

**[MARK ALL THAT APPLY. PROBE: Has your child taken any other prescription ASTHMA medications with a nebulizer in the past 3 months?]**

	<b>Medication</b>	<b>Pronunciation</b>
01	Albuterol	ăl'- <b>bu</b> 'ter-ōl (or al-BYOO-ter-ole)
02	Alupent	<b>al</b> -u-pent
03	Atrovent	At-ro-vent
04	Bitolterol	bi-tōl'ter-ōl (or bye- <b>tole</b> -ter-ole)
05	Budesonide	byoo- <b>des</b> -oh-nide
06	Cromolyn	<b>kro</b> 'mō-lin (or KROE-moe-lin)
07	DuoNeb	DUE-ow-neb
08	Intal	<b>in</b> -tel
09	Ipratropium bromide	īp-rah- <b>tro</b> 'pe-um bro'mīd (or ip-ra- <b>TROE</b> -pee-um)
10	Levalbuterol	lev al byoo' ter ol
11	Metaproteronol	met''ah-pro- <b>ter</b> 'ŋ-nōl (or met-a-proe- <b>TER</b> -e-nole)
12	Proventil	Pro- <b>ven</b> -til
13	Pulmicort	<b>pul</b> -ma-cort
14	Tornalate	<b>tor</b> -na-late
15	Ventolin	<b>vent</b> -o-lin
16	Xopenex	<i>ZOH-pen-ecks</i>
66	Other, Please Specify:	<b>[SKIP TO OTH_N1]</b>

(88) NONE

**[SKIP TO Section 9]**

(77) DON'T KNOW

**[SKIP TO Section 9]**

(99) REFUSED

**[SKIP TO Section 9]**

**OTH\_N1**

**ENTER OTHER MEDICATION**

**IF MORE THAN ONE MEDICATION IS GIVEN, ENTER ALL MEDICATIONS ON ONE LINE.**

**CATI programmers note that the text for 66 (other) should be checked to make sure one of the medication names above was not entered. If the medication entered is on the list above, then an error message should be shown.**

**Section 9. Cost of Care**

The best known value for whether or not the child “still has asthma” is used in the skip below. It can be the previously answered BRFSS module value or the answer to CUR\_ASTH (2.2) if this question is asked in this call back survey. If the respondent confirms in the “Informed Consent” question that the previously answered BRFSS module value is correct then the value from the BRFSS module question (BRFSS M2.2) is used. If the respondent does not agree with the previous BRFSS module value in “Informed Consent” then the question REPEAT (2.0) was asked (REPEAT = 1) then the value for CUR\_ASTH (2.2) “Do you still have asthma?” is used.

**IF respondent agrees 1 (Yes) with “Informed Consent”:**

IF BRFSS module value for M2.2, “Does the child still have asthma?” = 2 (No), 7 (DK), or 9 (Refused) skip to Section 10

IF BRFSS module value for M2.2, “Does the child still have asthma?” = 1 (Yes) continue.

**IF respondent DOES NOT agree 2 (No) with “Informed Consent” REPEAT = 1:**

IF CUR\_ASTH (2.2) = 2 (No), 7 (DK), or 9 (Refused) skip to Section 10

IF CUR\_ASTH (2.2) = 1 (Yes), continue.

**ASMDCOST (9.1) Was there a time in the past 12 months when {child’s name} needed to see his/her primary care doctor for asthma but could not because of the cost?**

- (1) YES
- (2) NO
  
- (7) DON’T KNOW
- (9) REFUSED

**ASSPCOST (9.2) Was there a time in the past 12 months when you were referred to a specialist for {his/her} asthma care but could not go because of the cost?**

- (1) YES
- (2) NO
  
- (7) DON’T KNOW
- (9) REFUSED

**ASRXCOST (9.3) Was there a time in the past 12 months when {he/she} needed medication for his/her asthma but you could not buy it because of the cost?**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED



The best known value for whether or not the child “still has asthma” is used in the skip below. It can be the previously answered BRFSS module value or the answer to CUR\_ASTH (2.2) if this question is asked in this call back survey. If the respondent confirms in the “Informed Consent” question that the previously answered BRFSS module value is correct then the value from the BRFSS module question (BRFSS M2.2) is used. If the respondent does not agree with the previous BRFSS module value in “Informed Consent” then the question REPEAT (2.0) was asked (REPEAT = 1) then the value for CUR\_ASTH (2.2) “Do you still have asthma?” is used.

**IF respondent agrees 1 (Yes) with “Informed Consent”:**

IF BRFSS module value for M2.2, “Does the child still have asthma?” = 2 (No), 7 (DK), or 9 (Refused), skip to 10.8

IF BRFSS module value for M2.2, “Does the child still have asthma?” = 1 (Yes) continue.

**IF respondent DOES NOT agree 2 (No) with “Informed Consent” REPEAT = 1:**

IF CUR\_ASTH (2.2) = 2 (No), 7 (DK), or 9 (Refused) skip to Section 10.8

IF CUR\_ASTH (2.2) = 1 (Yes), continue.

**MISS\_SCHL (10.5) During the past 12 months, about how many days of school did {he/she} miss because of {his/her} asthma?**

\_\_\_\_ ENTER NUMBER DAYS  
[3 NUMERIC-CHARACTER-FIELD, RANGE CHECK: (001-365, 777, 888, 999)]  
[Verify any entry >50]

**[DISPLAY THE THREE POSSIBILITIES BELOW ON THE CATI SCREEN FOR THIS QUESTION TO ASSIST THE INTERVIEWER]**

(888) ZERO

(777) DON'T KNOW

(999) REFUSED

**[CATI CHECK: IF RESPONSE = 77, 88, 99 VERIFY THAT 777, 888 AND 999 WERE NOT THE INTENT]**

**[IF NO\_SCHL = 2 (HOME SCHOOLED) SKIP TO SECTION 11]**

**[IF SCHL\_12 (10.3) = 1 READ ‘PLEASE ANSWER THESE NEXT FEW QUESTIONS ABOUT THE SCHOOL {CHILD’S NAME} WENT TO LAST’]**



- |                |                      |
|----------------|----------------------|
| (2) NO         | [SKIP TO SECTION 11] |
| (7) DON'T KNOW | [SKIP TO SECTION 11] |
| (9) REFUSED    | [SKIP TO SECTION 11] |

**MISS\_DCAR (10.12)**

The best known value for whether or not the child “still has asthma” is used in the skip below. It can be the previously answered BRFSS module value or the answer to CUR\_ASTH (2.2) if this question is asked in this call back survey. If the respondent confirms in the “Informed Consent” question that the previously answered BRFSS module value is correct then the value from the BRFSS module question (BRFSS M2.2) is used. If the respondent does not agree with the previous BRFSS module value in “Informed Consent” then the question REPEAT (2.0) was asked (REPEAT = 1) then the value for CUR\_ASTH (2.2) “Do you still have asthma?” is used.

**IF respondent agrees 1 (Yes) with “Informed Consent”:**

IF BRFSS module value for M2.2, “Does the child still have asthma?” = 2 (No), 7 (DK), or 9 (Refused), skip to 10.14

IF BRFSS module value for M2.2, “Does the child still have asthma?” = 1 (Yes), continue.

**IF respondent DOES NOT agree 2 (No) with “Informed Consent” REPEAT = 1:**

IF CUR\_ASTH (2.2) = 2 (No), 7 (DK), or 9 (Refused) skip to Section 10.14

IF CUR\_ASTH (2.2) = 1 (Yes), continue

**During the past 12 months, about how many days of daycare did {he/she} miss because of {his/her} asthma?**

\_\_\_\_ ENTER NUMBER DAYS

[3 NUMERIC-CHARACTER-FIELD, RANGE CHECK: (001-365, 777, 888, 999)]  
[Verify any entry >50]

**[DISPLAY THE THREE POSSIBILITIES BELOW ON THE CATI SCREEN FOR THIS QUESTION TO ASSIST THE INTERVIEWER]**

(888) ZERO

(777) DON'T KNOW

(999) REFUSED

**[CATI CHECK: IF RESPONSE = 77, 88, 99 VERIFY THAT 777, 888 AND 999 WERE NOT THE INTENT]**

**DCARE\_APL (10.13)** **[IF DAYCARE1 (10.11) = YES (1) THEN READ: “Please answer these next few questions about the daycare {child’s name} went to last. “**

**Does {child’s name} have a written asthma action plan or asthma management plan on file at daycare?**

- (1) YES
- (2) NO
  
- (7) DON’T KNOW
- (9) REFUSED

**DCARE\_ANML(10.14)** **Are there any pets such as dogs, cats, hamsters, birds or other feathered or furry pets in {his/her} room at daycare?**

- (1) YES
- (2) NO
  
- (7) DON’T KNOW
- (9) REFUSED

**DCARE\_MLD (10.15)** **Are you aware of any mold problems in {his/her} daycare?**

- (1) YES
- (2) NO
  
- (7) DON’T KNOW
- (9) REFUSED

**DCARE\_SMK (10.16)** **Is smoking allowed at {his/her} daycare?**

- (1) YES
- (2) NO
  
- (7) DON’T KNOW
- (9) REFUSED

**Section 11. Complimentary and Alternative Therapy**

The best known value for whether or not the child “still has asthma” is used in the skip below. It can be the previously answered BRFSS module value or the answer to CUR\_ASTH (2.2) if this question is asked in this call back survey. If the respondent confirms in the “Informed Consent” question that the previously answered BRFSS module value is correct then the value from the BRFSS module question (BRFSS M2.2) is used. If the respondent does not agree with the previous BRFSS module value in “Informed Consent” then the question REPEAT (2.0) was asked (REPEAT = 1) then the value for CUR\_ASTH (2.2) “Do you still have asthma?” is used.

**IF respondent agrees 1 (Yes) with “Informed Consent”:**

IF BRFSS module value for M2.2, “Does the child still have asthma?” = 2 (No), 7 (DK), or 9 (Refused), skip to Section 12

IF BRFSS module value for M2.2, “Does the child still have asthma?” = 1 (Yes), continue.

**IF respondent DOES NOT agree 2 (No) with “Informed Consent” REPEAT = 1:**

IF CUR\_ASTH (2.2) = 2 (No), 7 (DK), or 9 (Refused) skip to Section 12

IF CUR\_ASTH (2.2) = 1 (Yes), continue

**READ:** Sometimes people use methods other than prescription medications to help treat or control their asthma. These methods are called non-traditional, complementary, or alternative health care. I am going to read a list of these alternative methods. For each one I mention, please answer “yes” if {child’s name} has used it to control asthma in the past 12 months. Answer “no” if {he/she} has not used it in the past 12 months.

In the past 12 months, has {he/she} used ... to control asthma?  
[interviewer: repeat prior phrasing as needed]

CAM_HERB (11.1)	herbs	(1) YES	(2) NO	(7) DK (9) REF
CAM_VITA (11.2)	vitamins	(1) YES	(2) NO	(7) DK (9) REF
CAM_PUNC (11.3)	acupuncture	(1) YES	(2) NO	(7) DK (9) REF
CAM_PRES (11.4)	acupressure	(1) YES	(2) NO	(7) DK (9) REF
CAM_AROM (11.5)	aromatherapy	(1) YES	(2) NO	(7) DK (9) REF
CAM_HOME (11.6)	homeopathy	(1) YES	(2) NO	(7) DK (9) REF

CAM_REFL (11.7)	reflexology	(1) YES	(2) NO	(7) DK (9) REF
CAM_YOGA (11.8)	yoga	(1) YES	(2) NO	(7) DK (9) REF
CAM_BR (11.9)	breathing techniques	(1) YES	(2) NO	(7) DK (9) REF
CAM_NATR (11.10)	naturopathy	(1) YES	(2) NO	(7) DK (9) REF

[INTERVIEWER: If respondent does not recognize the term “naturopathy” the response should be no”]

[HELP SCREEN: Naturopathy (nay-chur-o-PATH-ee) is an alternative treatment based on the principle that there is a healing power in the body that establishes, maintains, and restores health. Naturopaths prescribe treatments such as nutrition and lifestyle counseling, dietary supplements, medicinal plants, exercise, homeopathy, and treatments from traditional Chinese medicine.]

CAM\_OTHR (11.11) Besides the types I have just asked about, has {child’s name} used any other type of alternative care for asthma in the past 12 months?

- (1) YES
- (2) NO [SKIP TO SECTION 12]
- (7) DON’T KNOW [SKIP TO SECTION 12]
- (9) REFUSED [SKIP TO SECTION 12]

CAM\_TEXT (11.13) What else has {he/she} used?

[100 ALPHANUMERIC CHARACTER LIMIT]

ENTER OTHER ALTERNATIVE MEDICINE IN TEXT FIELD  
IF MORE THAN ONE IS GIVEN, ENTER ALL MEDICATIONS ON ONE LINE.

**Section 12. Additional Child Demographics**

READ "I have just a few more questions about {child's name}."

**HEIGHT1 (12.1)**      How tall is {child's name}?

[INTERVIEWER: if needed: Ask the respondent to give their best guess.]

    = Height (ft/inches)  
7 7 7 7 = Don't know/Not sure  
9 9 9 9 = Refused

**CATI Note:** In the first space for the height (highlighted in yellow), if the respondent answers in feet/inches enter "0." If respondent answers in metric, put "9" in the first space.

Examples:

24 inches = 200 (2 feet)	30 inches = 206 (2 feet 6 inches),
36 inches = 300 (3 feet)	40 inches = 304 (3 feet 4 inches),
48 inches = 400 (4 feet)	50 inches = 402 (4 feet 2 inches),
60 inches = 500 (5 feet)	65 inches = 505 (5 feet 5 inches),
6 feet = 600 (6 feet, zero inches)	
5'3" = 503 (5 feet, 3 inches)	

VALUES OF GREATER THAN 8 FEET 11 INCHES OR 250 CENTIMETERS SHOULD NOT BE ALLOWED, VALUE RANGE FOR INCHES 00-11.

HELP SCREEN: WE ARE INTERESTED IN LOOKING AT HOW HEIGHT AND WEIGHT MAY BE RELATED TO ASTHMA.

**WEIGHT1 (12.2)**      How much does {he/she} weigh?

[INTERVIEWER: if needed: Ask the respondent to give their best guess.]

    = Weight (pounds/kilograms)  
7 7 7 7 = Don't know / Not sure  
9 9 9 9 = Refused

**CATI Note:** In the first space for the weight (highlighted in yellow), if the respondent answers in pounds, enter "0." If respondent answers in kilograms, put "9" in the first space.

[VALUES OF GREATER THAN 500 POUNDS OR 230 KILOGRAMS SHOULD NOT BE ALLOWED]]

HELP SCREEN: WE ARE INTERESTED IN LOOKING AT HOW HEIGHT AND WEIGHT MAY BE RELATED TO ASTHMA.

**BIRTHW1 (12.3)**

**How much did {he/she} weigh at birth (in pounds)?**

777777  
9 9 9 9 9 9

Weight (pounds/kilograms)  
Don't know / Not sure  
Refused

**CATI note:** If the respondent gives pounds and ounces: from left to right, positions one and two will hold "0 0"; positions three and four will hold the value of pounds from 0 to 30; and the last two positions will hold 00 to 15 ounces.

If the respondent gives kilograms and grams: from left to right, position one will hold "0"; positions two and three will hold the value of kilograms 1-30; and the last three positions will hold the number of grams.

[VALUES OF GREATER THAN 30 POUNDS OR 13.6 KILOGRAMS SHOULD NOT BE ALLOWED]

[IF BIRTH WEIGHT (12.3) IS DON'T KNOW OR REFUSED ASK BIRTHRF, ELSE SKIP TO CWEND.]

**BIRTHRF (12.4)**

**At birth, did {child's name} weigh less than 5 ½ pounds?**

[INTERVIEWER NOTE: 5 ½ pounds = 2500 GRAMS]

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

**CWEND**

Those are all the questions I have. I'd like to thank you on behalf of the {STATE NAME} Health Department and the Centers for Disease Control and Prevention for the time and effort you've spent answering these questions. If you have any questions about this survey, you may call my supervisor toll-free at 1 - xxx-xxx-xxxx. If you have questions about your rights as a survey participant, you may call the chairman of the Institutional Review Board at 1-800-xxx-xxxx. Thanks again.

## Appendix A: Language for Identifying Most Knowledgeable Person during the BRFSS interview

**Consent scripts for use during BRFSS 2008 Child asthma module when the most knowledgeable adult is identified during the BRFSS interview.**

### **Child asthma module:**

If BRFSS respondent indicates that the randomly selected child has ever had asthma (CASTHDX2 = 1 “yes”) and the BRFSS adult never had asthma then arrange for a call-back interview. If both the BRFSS adult and the randomly selected child both have asthma the child is randomly selected for the call-back 50% of the time.

Only respondents who are the parent/guardian of the selected child with asthma are eligible for the child asthma call-back interview. This is required because the parent/guardian must give permission to collect information about the child even if the information is being given by someone else. (RCSRELN1 = 1, 3 )

**READ: We would like to call again within the next 2 weeks to talk in more detail about your child’s experiences with asthma. The information will be used to help develop and improve the asthma programs in {state name}.**

#### **ADULTPERM**

**Would it be all right if we call back at a later time to ask additional questions about your child’s asthma?**

- (1) Yes
- (2) No (GO TO BRFSS closing or next module)
  
- (7) Don’t know/Not Sure (GO TO BRFSS closing or next module)
- (9) Refused (GO TO BRFSS closing or next module)

#### **CHILDName**

**Can I please have your child's first name, initials or nickname so we can ask about the right child when we call back? This is the {#} year old child which is the {FIRST CHILD, SECOND, etc.} CHILD.**

[CATI: If more than one child, show child age {#} and which child was selected (FIRST, SECOND, etc.) from child selection module]

Enter child’s first name, initials or nickname: \_\_\_\_\_

#### **ADULTName**

**Can I please have your first name, initials or nickname so we know who refer to when we call back?**

Enter respondent’s first name, initials or nickname: \_\_\_\_\_

#### **MOSTKNOW**

**Are you the parent or guardian in the household who knows the most about {CHILDName}'s asthma?**

- (1) Yes [CATI SET MKPName = ADULTName]
- (2) No (GO TO ALTName)
- (7) Don't know/Not Sure (GO TO ALTName)
- (9) Refused (GO TO ALTName)

**CBTIME:** What is a good time to call you back? For example, evenings, days, weekends?

Enter day/time: \_\_\_\_\_

**READ:** The information you gave us today and will give us when we call back will be kept confidential. We will keep identifying information like your child's name and your name and phone number on file, separate from the answers collected today. Even though you agreed today, you may refuse to participate in the future.

[If state requires active linking consent continue, if not, go to BRFSS closing or next module]

#### LINKING CONSENT

**READ:** Some of the information that you shared with us today could be useful when combined with the information we will ask for during your child's asthma interview. If the information from the two interviews is combined, identifying information such as your phone number, your name, and your child's name will not be included.

**PERMISS:** May we combine your answers from today with your answers from the interview about your child's asthma that will be done in the next two weeks?

- (1) Yes (GO TO BRFSS closing or next module)
- (2) No (GO TO BRFSS closing or next module)
- (7) Don't Know (GO TO BRFSS closing or next module)
- (9) Refused (GO TO BRFSS closing or next module)

**ALTName** Can I please have the first name, initials or nickname of the person who knows the most about {CHILDName}'s asthma so we will know who to ask for when we call back?

Alternate's Name: \_\_\_\_\_  
[CATI SET MKPName = ALTName]

**ALTCBTime:**

When would be a good time to call back and speak with {ALTName}. For example, evenings, days, weekends?

Enter day/time: \_\_\_\_\_

**READ:** The information you gave us today and that {ALTName} will give us when we call back will be kept confidential. We will keep their name and phone number, and your child's name on file, separate from the answers collected today. Even though you agreed today, {ALTName} may refuse to participate in the future.

[If state requires linking consent, continue; if not, go to BRFSS closing or next module]

## **LINKING CONSENT**

**READ:** Some of the information that you shared with us today could be useful when combined with the information we will ask for during your child's asthma interview. If the information from the two interviews is combined, identifying information such as your phone number, your name, and your child's name will not be included.

**PERMISS:** May we combine your answers from today with the answers *{ALTName}* gives us during the interview about your child's asthma?

- (1) Yes (GO TO BRFSS closing or next module)
- (2) No (GO TO BRFSS closing or next module)
  
- (7) Don't Know (GO TO BRFSS closing or next module)
- (9) Refused (GO TO BRFSS closing or next module)

## Introduction and consent sections for use during the Child Asthma Call-Back when the most knowledgeable adult is identified during the BRFSS interview:

[CATI: CHILDName, ADULTName, ALTName, MKPName, CASTHDX2, and CASTHNO2, RCSGENDR, calculated child's age, are from the BRFSS child asthma module and must be carried to the asthma call-back]

[CATI: BRFSS Respondent's SEX also should be carried to the Asthma call-back]

[CATI: IF INTERVIEW BREAKS OFF AT ANY POINT LEAVE REMAINING FIELDS BLANK. DO NOT FILL WITH ANY VALUE.]

### Section 1. Introduction

#### INTRODUCTION TO THE BRFSS Asthma call back for Adult parent/guardian of child with asthma:

Hello, my name is \_\_\_\_\_. I'm calling on behalf of the {STATE NAME} health department and the Centers for Disease Control and Prevention about an asthma study we are doing in your state.

ALTERNATE (no reference to asthma):

Hello, my name is \_\_\_\_\_. I'm calling on behalf of the {STATE NAME} health department and the Centers for Disease Control and Prevention about a health study we are doing in your state.

#### 1.1 Are you {MKPName}?

1. Yes (GO TO 1.5)
2. No

#### 1.2 May I speak with {MKPName }?

1. Yes (GO TO 1.4 when person comes to phone)
2. Person not available

#### 1.3 When would be a good time to call back and speak with {MKPName}. For example, evenings, days, weekends?

Enter day/time: \_\_\_\_\_

**READ:** Thank you we will call again later to speak with {MKPName}.

[CATI: Start over at introduction at next call.]

1.4 Hello, my name is \_\_\_\_\_. I'm calling on behalf of the {STATE NAME} state health department and the Centers for Disease Control and Prevention about an asthma study we are doing in your state. During a recent phone interview {"you" if MKPName=ADULTName OR "ADULTName" if MKPName=ALTName} gave us permission to call again to ask some questions about

**{CHILDName}'s asthma and said that you knew the most about that child's asthma.**

ALTERNATE (no reference to asthma):

Hello, my name is \_\_\_\_\_. I'm calling on behalf of the {STATE NAME} state health department and the Centers for Disease Control and Prevention about a health study we are doing in your state. During a recent phone interview {"you" if MKPName=ADULTName OR "ADULTName" if MKPName=ALTName} gave us permission to call again to ask some questions about {CHILDName}'s health and said that you knew the most about that child's health.

**GO TO SECTION 2**

**1.5 During a recent phone interview {"you" if MKPName=ADULTName OR "ADULTName" if MKPName=ALTName} gave us permission to call again to ask some questions about {CHILDName}'s asthma and said that you knew the most about that child's asthma.**

ALTERNATE (no reference to asthma):

During a recent phone interview {"you" if MKPName=ADULTName OR "ADULTName" if MKPName=ALTName} gave us permission to call again to ask some questions about {CHILDName}'s health and said that you knew the most about that child's health.

**GO TO SECTION 2**

## Section 2. Informed Consent

### INFORMED CONSENT

Before we continue, I'd like you to know that this survey is authorized by the U.S. Public Health Service Act. You may choose not to answer any question you don't want to answer or stop at any time. In order to evaluate my performance, my supervisor may listen as I ask the questions. I'd like to continue now unless you have any questions.

**{CHILDName} was selected to participate in this study about asthma because of responses to questions about his or her asthma in a prior survey.**

[If responses for sample child were "yes" (1) to CASTHDX2 and "no" (2) to CASTHNO2 in core BRFSS interview:]

**READ: The answers to asthma questions during the earlier survey indicated that a doctor or other health professional said that {CHILDName} had asthma sometime in {his/her} life, but does not have it now. Is that correct?**

[IF YES, READ:] (IF NO, Go to REPEAT (2.0))

**Since {CHILDName} no longer has asthma, your interview will be very brief (about 5 minutes). [Go to section 3]**

[If responses for sample child were “yes” (1) to CASTHDX2 and “yes” (1) to CASTHNO2 in core BRFS survey:]

**READ:** Answers to the asthma questions in the earlier survey indicated that a doctor or other health professional said that {CHILDName} had asthma sometime in his or her life, and that {CHILDName} still has asthma. Is that correct?

(IF YES, READ:) (IF NO, Go to REPEAT (2.0))

Since {CHILDName} has asthma now, your interview will last about 15 minutes. [Go to section 3]

**REPEAT (2.0)**

**READ:** I would like to repeat the questions from the previous survey now to make sure {CHILDName} qualifies for this study.

**EVER\_ASTH (2.1)** Have you ever been told by a doctor or other health professional that {CHILDName} had asthma?

- (1) YES
- (2) NO [Go to TERMINATE]
- (7) DON'T KNOW [Go to TERMINATE]
- (9) REFUSED [Go to TERMINATE]

**CUR\_ASTH (2.2)** Does {he/she} still have asthma?

- (1) YES
- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

**RELATION (2.3)** What is your relationship to {CHILDName}?

- (1) MOTHER (BIRTH/ADOPTIVE/STEP) [go to READ]
- (2) FATHER (BIRTH/ADOPTIVE/STEP) [go to READ]
- (3) BROTHER/SISTER (STEP/FOSTER/HALF/ADOPTIVE)
- (4) GRANDPARENT (FATHER/MOTHER)
- (5) OTHER RELATIVE
- (6) UNRELATED
- (7) DON'T KNOW
- (9) REFUSED

**GUARDIAN (2.4)** Are you the legal guardian for {CHILDName}?

- (1) YES
- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

**READ: {CHILDName} does qualify for this study, I'd like to continue unless you have any questions.**

[If YES to 2.2 read:]

**Since {CHILDName} does have asthma now, your interview will last about 15 minutes. [Go to section 3]**

[If NO to 2.2 read:]

**Since {CHILDName} does not have asthma now, your interview will last about 5 minutes. [Go to section 3]**

[If Don't know or refused to 2.2 read:]

**Since you are not sure if {CHILDName} has asthma now, your interview will probably last about 10 minutes. [Go to section 3]**

**TERMINATE:**

**Upon survey termination, READ:**

**I'm sorry {CHILDName} does not qualify for this study. I'd like to thank you on behalf of the {STATE} Health Department and the Centers for Disease Control and Prevention for answering these questions. If you have any questions about this survey, you may call my supervisor toll-free at {1-800-xxx-xxxx}. If you have questions about your rights as a survey participant, you may call the chairman of the Institutional Review Board at {1-800-xxx-xxxx}. Thanks again. Goodbye.**

## **Appendix B: Language for Identifying Most Knowledgeable Person at the Call-back**

### **Consent scripts for use during BRFSS 2008 Child asthma module when the most knowledgeable adult is identified at the call-back interview.**

#### **Child asthma module:**

If BRFSS respondent indicates that the randomly selected child has ever had asthma then arrange for a call-back interview.

Only respondents who are the parent/guardian of the selected child with asthma are eligible for the child asthma call-back interview. This is required because the parent/guardian must give permission to collect information about the child even if the information is being given by someone else.

CATI: (RCSRELN1 = 1 or 3 and CASTHDX2 = 1 “yes”)

**READ: We would like to call again within the next 2 weeks to talk in more detail about your child’s experiences with asthma. The information will be used to help develop and improve the asthma programs in {state name}.**

#### **ADULTPERM**

**Would it be all right if we call back at a later time to ask additional questions about your child’s asthma?**

- (1) Yes
- (2) No (GO TO BRFSS closing or next module)
- (7) Don’t know/Not Sure (GO TO BRFSS closing or next module)
- (9) Refused (GO TO BRFSS closing or next module)

#### **CHILDName**

**Can I please have your child's first name, initials or nickname so we can ask about the right child when we call back? This is the {#} year old child which is the {FIRST CHILD, SECOND, ETC.} CHILD.**

[CATI: If more than one child, show child age {#} and which child was selected (FIRST, SECOND, ETC.) from child selection module]

Enter child’s first name, initials or nickname: \_\_\_\_\_

#### **ADULTName**

**Can I please have your first name, initials or nickname so we know who to ask for when we call back?**

Enter respondent’s first name, initials or nickname: \_\_\_\_\_

#### **CBTIME:**

**What is a good time to call you back? For example, evenings, days, weekends?**

Enter day/time: \_\_\_\_\_

**READ: The information you gave us today and will give us when we call back will be kept confidential. We will keep identifying information like your child's name and your name and phone number on file, separate from the answers collected today. Even though you agreed today, you may refuse to participate in the future.**

[CATI: If state requires active linking consent continue, if not, go to BRFSS closing or next module]

#### **LINKING CONSENT**

**READ:** Some of the information that you shared with us today could be useful when combined with the information we will ask for during your child's asthma interview. If the information from the two interviews is combined, identifying information such as your phone number, your name, and your child's name will not be included.

**PERMISS:** May we combine your answers from today with your answers from the interview about your child's asthma that will be done in the next two weeks?

- (1) Yes (GO TO BRFSS closing or next module)
- (2) No (GO TO BRFSS closing or next module)
  
- (7) Don't Know (GO TO BRFSS closing or next module)
- (9) Refused (GO TO BRFSS closing or next module)

## Introduction and consent sections for use during the Child Asthma Call-Back when the most knowledgeable adult is identified at call-back interview:

[CATI: CHILDName, ADULTName, ALTName, MKPName, CASTHDX2, and CASTHNO2, RCSGENDR, calculated child's age, are from the BRFSS child asthma module and must be carried to the asthma call-back]

[CATI: BRFSS Respondent's SEX also should be carried to the Asthma call-back]

[CATI: IF INTERVIEW BREAKS OFF AT ANY POINT LEAVE REMAINING FIELDS BLANK. DO NOT FILL WITH ANY VALUE.]

### Section 1. Introduction

#### INTRODUCTION TO THE BRFSS Asthma call back for Adult parent/guardian of child with asthma:

Hello, my name is \_\_\_\_\_. I'm calling on behalf of the {STATE NAME} health department and the Centers for Disease Control and Prevention about an asthma study we are doing in your state.

ALTERNATE (no reference to asthma):

Hello, my name is \_\_\_\_\_. I'm calling on behalf of the {STATE NAME} health department and the Centers for Disease Control and Prevention about a health study we are doing in your state.

#### 1.1 Are you {ADULTName}?

- (1) Yes (go to 1.5 READ)
- (2) No

#### 1.2 May I speak with {ADULTName}?

- (1) Yes (go to 1.4 READ when person comes to phone)
- (2) Person not available

#### 1.3 When would be a good time to call back and speak with {ADULTName}. For example, evenings, days, weekends?

Enter day/time: \_\_\_\_\_

**READ: Thank you we will call again later to speak with {ADULTName}.**

[CATI: Start over at introduction at next call.]

ADULTName comes to the phone:

**1.4 READ: Hello, my name is \_\_\_\_\_. I'm calling on behalf of the {STATE} state health department and the Centers for Disease Control and Prevention about an asthma study we are doing in your state. (GO TO 1.5)**

ALTERNATE (no reference to asthma):

Hello, my name is \_\_\_\_\_. I'm calling on behalf of the {STATE} state health department and the Centers for Disease Control and Prevention about a health study we are doing in your state.

**1.5 READ: During a recent phone interview you gave us permission to call again to ask some questions about {CHILDName}'s asthma.**

ALTERNATE (no reference to asthma):

During a recent phone interview you gave us permission to call again to ask some questions about {CHILDName}'s health.

KNOWMOST: **Are you the parent or guardian in the household who knows the most about {CHILDName}'s asthma?**

- (1) YES (GO TO SECTION 2: Informed consent)
- (2) NO
  
- (7) DON'T KNOW/NOT SURE
- (9) REFUSED

ALTPRESENT: **If the parent or guardian who knows the most about {CHILDName}'s asthma is present, may I speak with that person now?**

- (1) YES [respondent transfers phone to alternate] GO TO READ ALTERNATE ADULT:
- (2) Person is not available
  
- (7) DON'T KNOW/NOT SURE [GO TO TERMINATE]
- (9) REFUSED [GO TO TERMINATE]

ALTName **Can I please have the first name, initials or nickname of the person so we can call back and ask for them by name?**

Alternate's Name: \_\_\_\_\_

ALTCBTime:

**When would be a good time to call back and speak with {ALTName}. For example, evenings, days, weekends?**

Enter day/time: \_\_\_\_\_ [CATI: AT NEXT CALL START AT 1.6]

READ ALTERNATE ADULT:

**Hello, my name is \_\_\_\_\_. I'm calling on behalf of the {STATE} health department and the Centers for Disease Control and Prevention about an asthma study we are doing in your state. During a recent phone interview {ADULTName} indicated {he/she} would be willing to participate in**

this study about *{CHILDName}*'s asthma. *{ADULTName}* has now indicated that you are more knowledgeable about *{CHILDName}*'s asthma. It would be better if you would complete this interview. **{Should we allow the alternate to hand it back to the original person or even someone else? We could find ourselves in an infinite loop.}**

I will not ask for your name, address, or other personal information that can identify you or *{CHILDName}*. Any information you give me will be confidential. If you have any questions, I can provide a telephone number for you to call to get more information.

[GO TO SECTION 2]

**1.6 Hello, my name is \_\_\_\_\_ . I'm calling on behalf of the *{STATE NAME}* state health department and the Centers for Disease Control and Prevention about an asthma study we are doing in your state.**

ALTERNATE (no reference to asthma):

Hello, my name is \_\_\_\_\_. I'm calling on behalf of the *{STATE NAME}* state health department and the Centers for Disease Control and Prevention about a health study we are doing in your state.

**1.7 Are you *{ALTName}*?**

- (1) Yes (go to 1.10 READ ALT 1)
- (2) No

**1.8 May I speak with *{ALTName}*?**

- (1) Yes (go to 1.11 READ ALT 2 when person comes to phone)
- (2) Person not available

**1.9 When would be a good time to call back and speak with *{ALTName}*. For example, evenings, days, weekends?**

Enter day/time: \_\_\_\_\_

READ: **Thank you we will call again later to speak with *{ALTName}*.**

[CATI: Start over at 1.6 at next call.]

1.10 READ ALT 1

**During a recent phone interview *{ADULTName}* indicated *{CHILDName}* had asthma and that you were more knowledgeable about *{his/her}* asthma. It would be better if you would complete this interview about *{CHILDName}*.**

**I will not ask for your name, address, or other personal information that can identify you or *{CHILDName}*. Any information you give me will be confidential. If you have any questions, I will provide a telephone number for you to call to get more information.**

[GO TO SECTION 2]

1.11 READ ALT 2:

Hello, my name is \_\_\_\_\_. I'm calling on behalf of the {STATE} health department and the Centers for Disease Control and Prevention about an asthma study we are doing in your state. During a recent phone interview {ADULTName} indicated {CHILDName} had asthma and that you were more knowledgeable about {his/her} asthma. It would be better if you would complete this interview about {CHILDName}.

I will not ask for your name, address, or other personal information that can identify you or {CHILDName}. Any information you give me will be confidential. If you have any questions, I will provide a telephone number for you to call to get more information.

[GO TO SECTION 2]

## Section 2. Informed Consent

### INFORMED CONSENT

**READ:** Before we continue, I'd like you to know that this survey is authorized by the U.S. Public Health Service Act. You may choose not to answer any question you don't want to answer or stop at any time. In order to evaluate my performance, my supervisor may listen as I ask the questions. I'd like to continue now unless you have any questions

**{CHILDName}** was selected to participate in this study about asthma because of responses to questions about his or her asthma in a prior survey.

[If responses for sample child were "yes" (1) to CASTHDX2 and "no" (2) to CASTHNO2 in core BRFSS interview:]

**READ:** The answers to asthma questions during the earlier survey indicated that a doctor or other health professional said that {CHILDName} had asthma sometime in {his/her} life, but does not have it now. Is that correct?

[IF YES, READ:) (IF NO, Go to REPEAT (2.0)]

Since {CHILDName} no longer has asthma, your interview will be very brief (about 5 minutes). [Go to section 3]

[If responses for sample child were "yes" (1) CASTHDX2 to and "yes" (1) to CASTHNO2 in core BRFSS survey:]

**READ:** Answers to the asthma questions in the earlier survey indicated that that a doctor or other health professional said that {CHILDName} had asthma sometime in his or her life, and that {CHILDName} still has asthma. Is that correct?

(IF YES, READ:) (IF NO, Go to REPEAT (2.0))

Since {child's name} has asthma now, your interview will last about 15 minutes. [Go to section 3]

REPEAT (2.0)

I would like to repeat the questions from the previous survey now to make sure {CHILDName} qualifies for this study.

EVER\_ASTH (2.1) **Have you ever been told by a doctor or other health professional that {CHILDName} had asthma?**

- (1) YES
- (2) NO [Go to TERMINATE]
- (7) DON'T KNOW [Go to TERMINATE]
- (9) REFUSED [Go to TERMINATE]

CUR\_ASTH (2.2) **Does {he/she} still have asthma?**

- (1) YES
- (2) NO
  
- (7) DON'T KNOW
- (9) REFUSED

RELATION (2.3) **What is your relationship to {CHILDName}?**

- (1) MOTHER (BIRTH/ADOPTIVE/STEP) [go to READ]
- (2) FATHER (BIRTH/ADOPTIVE/STEP) [go to READ]
- (3) BROTHER/SISTER (STEP/FOSTER/HALF/ADOPTIVE)
- (4) GRANDPARENT (FATHER/MOTHER)
- (5) OTHER RELATIVE
- (6) UNRELATED
  
- (7) DON'T KNOW
- (9) REFUSED

GUARDIAN (2.4) **Are you the legal guardian for {CHILDName}?**

- (1) YES
- (2) NO
- (7) DON'T KNOW
- (9) REFUSED

READ: {CHILDName} does qualify for this study.

[If YES to 2.2 read:]

**Since {CHILDName} does have asthma now, your interview will last about 15 minutes. [Go to section 3]**

[If NO to 2.2 read:]

**Since {CHILDName} does not have asthma now, your interview will last about 5 minutes. [Go to section 3]**

[If Don't know or refused to 2.2 read:]

**Since you are not sure if {CHILDName} has asthma now, your interview will probably last about 10 minutes. [Go to section 3]**

TERMINATE:

Upon survey termination, READ:

I'm sorry {*CHILDName*} does not qualify for this study. I'd like to thank you on behalf of the {*STATE*} Health Department and the Centers for Disease Control and Prevention for answering these questions. If you have any questions about this survey, you may call my supervisor toll-free at {*1-800-xxx-xxxx*}. If you have questions about your rights as a survey participant, you may call the chairman of the Institutional Review Board at {*1-800-xxx-xxxx*}. Thanks again. Goodbye.

## Appendix C: Coding Notes and Pronunciation Guide

### Coding Notes:

- 1) MISDIAGNOSIS NOTE: If, during the survey, the interviewer discovers that the respondent never really had asthma because it was a misdiagnosis, then assign disposition code “470 Resp. was misdiagnosed; never had asthma” as a final code and terminate the interview.
- 2) BACKCODE SYMPFREE (4.4) TO 14 IF LASTSYMP (3.5) = 88 (never) or = 04, 05, 06, or 07 OR IF SYMP\_30D = 88. THIS WILL BE DONE BY BSB.
- 3) CATI Programmer’s note: For the Other in the medications (in INH\_MEDS, PILLS\_MD, SYRUP\_ID or NEB\_ID. If “Other” has one of the following misspellings then a menu choice should have been made. Code for this and correct:

<b>Medication</b>	<b>Common misspelling in "Other"</b>
Zyrtec	Zertec, Zertek or Zerteck
Allegra	Alegra, Allegra or Allegra D
Claritin	Cleraton, Cleritin or Claritin D
Singular	Singular, Cingulair or Cingular
Xopenex	Zopanox or Zopenex
Advair	
Diskus	Advair or Diskus
Albuterol	Aluterol Sulfate
Maxair	Maxair Autohaler

### Pronunciation Guide:

The following is a pronunciation guide. The top ten medications are shown bolded. Audio files are available from the BRFSS coordinator’s upload/download site.

#### INH\_MEDS

	<b>Medication</b>	<b>Pronunciation</b>
01	<b>Advair</b>	ăd-vâr (or <b>add</b> -vair)
02	Aerobid	â-rô'bīd (or <b>air</b> -row-bid)
03	<b>Albuterol</b> ( + A. sulfate or salbutamol)	ăl'- <b>bu</b> 'ter-ōl (or al- <b>BYOO</b> -ter-ole) sāl-byū'tā-môl'
04	Alupent	<b>al</b> -u-pent
40	Asmanex (twisthaler)	<b>as</b> - <i>mu</i> h-neks <b>twist</b> -hey-ler
05	<b>Atrovent</b>	At-ro-vent
06	<b>Azmacort</b>	<b>az</b> -ma-cort
07	<u>Beclomethasone dipropionate</u>	bek''lo- <b>meth</b> 'ah-son dī' <b>pro</b> 'pe-o-nāt (or be-kloe- <b>meth</b> -a-son)
08	Beclovent	be' klo-vent" (or <b>be</b> -klo-vent)
09	<u>Bitolterol</u>	bi-tōl'ter-ōl (or bye- <b>tole</b> -ter-ole)
10	Brethaire	<b>breth</b> -air

11	<u>Budesonide</u>	byoo- <b>des</b> -oh-nide
12	<b>Combivent</b>	<b>com</b> -bi-vent
13	<u>Cromolyn</u>	<b>kro</b> 'mō-lin (or <b>KROE</b> -moe-lin)
14	<b>Flovent</b>	<b>flow</b> -vent
15	Flovent Rotadisk	<b>flow</b> -vent <b>row</b> -ta-disk
16	<u>Flunisolide</u>	floo- <b>nis</b> 'o-līd (or floo- <b>NISS</b> -oh-lide)
17	<u>Fluticasone</u>	flue- <b>TICK</b> -uh-zone
34	Foradil	<i>FOUR</i> -a-dil
35	<u>Formoterol</u>	for moh' te rol
18	Intal	<b>in</b> -tel
19	<u>Ipratropium Bromide</u>	īp-rah- <b>tro</b> 'pe-um bro'mīd (or ip-ra- <b>TROE</b> -pee-um)
37	<u>Levalbuterol tartrate</u>	lev-al- <b>BYOU</b> -ter-ohl
20	Maxair	<b>māk</b> -sār
21	<u>Metaproteronol</u>	met"ah-pro- <b>ter</b> "nōl (or met-a-proe- <b>TER</b> -e-nole)
39	<u>Mometasone furoate</u>	<b>moe</b> - <b>MET</b> -a- <b>son</b> e
22	<u>Nedocromil</u>	ne-DOK-roe-mil
23	<u>Pirbuterol</u>	pēr- <b>bu</b> 'ter-ōl (or peer- <b>BYOO</b> -ter-ole)
41	Pro-Air HFA	<b>proh</b> -air HFA
24	<b>Proventil</b>	pro"ven-til' (or pro-vent-il)
25	<b>Pulmicort Turbuhaler</b>	<b>pul</b> -ma-cort <b>tur</b> -bo-hail-er
36	<b>QVAR</b>	<b>q</b> -vâr (or q-vair)
03	<u>Salbutamol (or Albuterol)</u>	sāl-byū'tā-mōl'
26	<u>Salmeterol</u>	sal-ME-te-role
27	<b>Serevent</b>	<b>Sair</b> -a-vent
42	Symbicort	<b>sim</b> -buh-kohrt
28	<u>Terbutaline (+ T. sulfate)</u>	ter- <b>bu</b> 'tah-lēn (or ter- <b>BYOO</b> -ta-leen)
29	Tilade	<b>tie</b> -laid
30	Tornalate	<b>tor</b> -na-late
31	<u>Triamcinolone acetonide</u>	tri"am- <b>sin</b> 'o-lōn as"n-tō-nīd' (or trye-am- <b>SIN</b> -oh-lone)
32	Vanceril	<b>van</b> -sir-il
33	Ventolin	<b>vent</b> -o-lin
38	Xopenex HFA	<i>ZOH</i> -pen-ecks

PILLS\_MED

	Medication	Pronunciation
01	<b>Accolate</b>	<b>ac</b> -o-late
02	Aerolate	<b>air</b> -o-late
03	<b><u>Albuterol</u></b>	ăl'- <b>bu</b> 'ter-ōl (or al- <b>BYOO</b> -ter-all)
04	Alupent	<b>al</b> -u-pent
49	Brethine	<b>breth-eeen</b>
05	Choledyl (oxtriphylline)	<b>ko</b> -led-il
07	Deltasone	<b>del</b> -ta-sone
08	Elixophyllin	e-licks- <b>o</b> -fil-in
11	Medrol	<b>Med</b> -rol
12	Metaprel	<b>Met</b> -a-prell
13	<u>Metaproteronol</u>	met"ah-pro- <b>ter</b> ŋ-nōl (or met-a-proe- <b>TER</b> -e-nole)
14	<u>Methylprednisolone</u>	meth-ill-pred- <b>niss</b> -oh-lone (or meth-il-pred- <b>NIS</b> -oh-lone)
15	<b><u>Montelukast</u></b>	mont-e- <b>lu</b> -cast
17	Pediapred	Pee- <b>dee</b> -a-pred
18	<b><u>Prednisolone</u></b>	pred- <b>NISS</b> -oh-lone
19	<b><u>Prednisone</u></b>	<b>PRED</b> -ni-sone
21	Proventil	pro- <b>ven</b> -til
23	Respid	<b>res</b> -pid
24	<b><u>Singulair</u></b>	<b>sing</b> -u-lair
25	Slo-phyllin	<b>slow</b> - fil-in
26	Slo-bid	<b>slow</b> -bid
48	<u>Terbutaline (+ T. sulfate)</u>	ter byoo' ta leen
28	Theo-24	<b>thee</b> -o-24
30	Theochron	<b>thee</b> -o-kron
31	Theoclear	<b>thee</b> -o-clear
32	<b>Theodur</b>	<b>thee</b> -o-dur
33	<b>Theo-Dur</b>	<b>thee</b> -o-dur
35	<b><u>Theophylline</u></b>	thee- <b>OFF</b> -i-lin
37	Theospan	<b>thee</b> -o-span
40	T-Phyl	<b>t</b> -fil
42	<b>Uniphyl</b>	<b>u</b> -ni-fil
43	Ventolin	<b>vent</b> -o-lin
44	Volmax	<b>vole</b> -max
45	<u>Zafirlukast</u>	za- <b>FIR</b> -loo-kast
46	Zileuton	zye- <b>loo</b> -ton
47	Zyflo Filmtab	<b>zye</b> -flow <b>film</b> tab

**SYRUP\_ID**

	<b>Medication</b>	<b>Pronunciation</b>
01	Aerolate	<b>air</b> -o-late
02	<u>Albuterol</u>	äl'- <b>bu</b> 'ter-öl (or al-BYOO-ter-ole)
03	Alupent	<b>al</b> -u-pent
04	<u>Metaproteronol</u>	met"ah-pro- <b>ter</b> "n-öl (or met-a-proe-TER-e-nole)
05	<u>Prednisolone</u>	pred-NISS-oh-lone
06	Prelone	<b>pre</b> -loan
07	Proventil	Pro- <b>ven</b> -til
08	Slo-Phyllin	<b>slow</b> -fil-in
09	<u>Theophyllin</u>	thee-OFF-i-lin
10	Ventolin	<b>vent</b> -o-lin

**NEB\_ID**

	<b>Medication</b>	<b>Pronunciation</b>
01	Albuterol	äl'- <b>bu</b> 'ter-öl (or al-BYOO-ter-ole)
02	Alupent	<b>al</b> -u-pent
03	Atrovent	At-ro-vent
04	<u>Bitolterol</u>	bi-töl'ter-öl (or bye- <b>tole</b> -ter-ole)
05	<u>Budesonide</u>	byoo- <b>des</b> -oh-nide
06	<u>Cromolyn</u>	<b>kro</b> 'mö-lin (or KROE-moe-lin)
07	DuoNeb	DUE-ow-neb
08	Intal	<b>in</b> -tel
09	<u>Ipratropium bromide</u>	ĩp-rah- <b>tro</b> 'pe-um bro'mĩd (or ip-ra- <b>TROE</b> -pee-um)
10	<u>Levalbuterol</u>	lev al byoo' ter ol
11	<u>Metaproteronol</u>	met"ah-pro- <b>ter</b> "n-öl (or met-a-proe-TER-e-nole)
12	Proventil	Pro- <b>ven</b> -til
13	Pulmicort	<b>pul</b> -ma-cort
14	Tornalate	<b>tor</b> -na-late
15	Ventolin	<b>vent</b> -o-lin
16	Xopenex	<i>ZOH-pen-ecks</i>