OMB#: 0925:xxxx

NATIONAL CHILDREN'S STUDY T3/24 MO - ONE AIR BADGE COLLECTION INSTRUCTIONS

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READ STEPS 1 - 12 BEFORE SETTING UP THE AIR BADGE.

INSTRUCTIONS FOR SET-UP OF AIR BADGE

- 1) Remove contents of the air badge collection kit.
- 2) Choose the room in your home where you spend the most time while you are awake (other than a kitchen). This could be a living room, family room, bedroom, etc.
- 3) Choose a location to hang the air badge where they will not be disturbed. The air badge should remain in this location for one week. Ideally, the air badge should be at least 4 ft. from the floor and 1 ft. from a wall, like the edge of a lampshade. If your room does not have any lamps, you may choose any other location such as a ceiling or doorway. Do not attach the anchor to a wall.
- 4) Remove the paper backing from the stick on anchor. In the spot chosen in step 2, stick the anchor in place.

Photo 1: Contents of air badge collection kit with each item labeled by name.

Photo 2: Lampshade with removable anchor attached.

Photo 3: Doorway with removable anchor.

Instructions continued on page 2

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-xxxx*). Do not return the completed form to this address.

NATIONAL CHILDREN'S STUDY T3/24 MO - ONE AIR BADGE COLLECTION INSTRUCTIONS

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INSTRUCTIONS FOR SET-UP OF AIR BADGE

- 5) Wash your hands with soap and water. Rinse well and dry thoroughly. Put on disposable gloves.
- 6) Remove the contents of the air badge collection kit, take out the "T3/24 Mo Air Badge Questionnaire" and write down today's date (question 1).
- 7) Unpack each of the passive air badge and the air badge holder and attached hanging wire.

- 8) Clip each air badge onto the air badge holder in one of the spots provided.
- 9) Remove the attached cap from each air badge and then write down the start time on the "T3/24 Mo One Air Badge Questionnaire" (question 2).

Photo 4: Opening air sample collection containers.

Photo 5: Air badge clipped to the plastic air badge holder.

Photo 6: The air badge clipped to the air badge holder and hand removing cap from the air badge

Instructions continued page 3

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NATIONAL CHILDREN'S STUDY T3/24 MO - ONE AIR BADGE COLLECTION INSTRUCTIONS

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INSTRUCTIONS FOR SET-UP OF AIR BADGE

- 10) Hang the air badge holder to the ceiling anchor using the hanging wire.
- Photo 7: Badge and badge holder hanging from the ceiling anchor.

- 11) Place the contents of the air badge collection kit back in the bag. Throw away the disposable gloves.
- 12) Leave the air badge open and hanging for at least 7 days, but not longer than 8 days.

Photo 8: Contents of the air badge collection kit being placed back in the bag.

Thank you for setting up the air badge. After 7 or 8 days, please take down and ship the air badge according to the instructions below.

NATIONAL CHILDREN'S STUDY T3/24 MO - ONE AIR BADGE COLLECTION INSTRUCTIONS

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READ STEPS 1 - 11 BEFORE TAKING DOWN THE AIR BADGE.

INSTRUCTIONS FOR TAKING DOWN AND SHIPPING THE AIR BADGE

- 1) Wash your hands with soap and water. Rinse well. Put on a clean set of disposable gloves.
- 2) Remove the contents of the air badge collection kit, take out the "T3/24 Mo One Air Badge Questionnaire" and write down today's date (question 11).
- 3) Take down the air badge holder and air badge.

4) Replace the cap on each air badge and make sure it is completely sealed. Write down

the stop time on the "T3/24 Mo - One Air Badge

Questionnaire" (question 12).

Photo 9: Gloved hands taking down the air badge holder from the ceiling.

Photo 10: Photo showing gloved hands replacing the cap on the air badge.

Photo 11: Photo showing person removing anchor from the edge of a lampshade.

Instructions continued page 2

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NATIONAL CHILDREN'S STUDY T3/24 MO - ONE AIR BADGE COLLECTION INSTRUCTIONS

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INSTRUCTIONS FOR TAKING DOWN AND SHIPPING THE AIR BADGE

- 5) Unclip each air badge from the air badge holder and place each in its own pouch. Seal each pouch shut. Place the air badge into the larger Ziploc bag and seal shut.
- 6) Complete the "T3/24 Mo One Air Badge Questionnaire."
- Photo 12: Photo showing gloved hands sealing the air badge in the pouches and the larger Ziploc bag with "T3/24 Mo - One Air Badge Questionnaire" in the background.

- 7) Place the following items in the return mailing envelope:
 - Ziploc bag containing the air badge
 - Completed "T3/24 Mo One Air Badge Questionnaire".
- 8) Place the mailing envelope in the US mail within 12 hours of placing the cap on the air badge.

Photo 13: Photo showing a Ziploc bag containing air badge, and completed "T3/24 Mo - One Air Badge Questionnaire" being placed into the pre-addressed mailing envelope.

Thank you for sending in your air badge. Your continued participation in this study is greatly appreciated.

NATIONAL CHILDREN'S STUDY T3/24 MO - ONE AIR BADGE QUESTIONNAIRE

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				HEALTH GROWTH ENVIRONMENT
		ball-point pen.	Do not use a pe	encil or
	:-tip pen. : an X in the ho	x next to your ar	nswer¤	
		•	ne through the in	correct 4.9.Writien diappears at the life pet the pet the pet to column.
_			oox next to the	4. Where did you harly the badge:
	·		und the correct	
A.				Edge of a lamp shade
	•	•	adge in the roor	
,	where you spe	end the most tir	ne?	₆ Other, describe:
	MONTH	DAY	YEAR	
	Jan		2008	5. About how many feet above the floor
	☐ Feb		2009	did you place the badge?
	☐ Mar		2010	
	Apr	□3 □3	2011	
	│		2012	Feet
		5	2013	
	☐ Aug	│	2015	6. Was the air badge disturbed in any way during
	☐ Sep			the period it was open in the room?
	☐ Oct			☐ No (SKIP TO QUESTION 5)
	│			Yes
		<u> </u>		
		what time did	you open the ai	faa. How Was the air badge disturbed?
	badge?			$_{\scriptscriptstyle 1}$ It fell/Was knocked down.
	HOUR	MIN	AM/	Other, describe:
	HOOK	191114	PM	=
	1	00	AM	7. About how many hours total during the week
	<u> </u>	15	PM	were the windows / doors open while the air
	<u> </u> 3	30		badge was open?
		45		
	6			Less than one hour
	7			$\begin{array}{c c} & 1 - < 5 \text{ hours} \\ \hline & 5 - < 10 \text{ hours} \end{array}$
	8			10 -< 24 hours
				5 More than 24 hours
	10			
	<u> </u>			8. Which, if any, of the following products did you
				use in the room while the air badge was open (check all that apply)?
	n wnich ro placed?	oom was th	e air badge	
	piaccui			1 Room fresheners / deodorizers
	₁ Comm	non living ar	ea, such as a	2 Cleaning products
	family	room or a	living room	3 Spray pesticides
		bedroom / y	our child's	None of the above
	bedroon			
	3 Kitche	en describe:		
	₆ Utner,	acscribe		

NATIONAL CHILDREN'S STUDY T3/24 MO - ONE AIR BADGE QUESTIONNAIRE



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	anyone sm air badge v			at any time	while	12.	Appi badç	roximately ge?	what time	did yo
01	No Yes							HOUR	MIN	
	e candles t e the air ba	_		om at any ti	me			□ 1□ 2□ 3	☐ 00 ☐ 15 ☐ 30	
0	No Yes							☐ 4 ☐ 5 ☐ 6	45	
	nat date dge?	did you	ı close	e the air				☐ 7 ☐ 8 ☐ 9		
N	10NTH	DA		YEAR				□ 10□ 11		
	Jan Feb	│	∐0 □1	2008 2009				12		
	Mar Apr May Jun Jul Aug	2 3	2 3 4 5 6	2010 2011 2012 2013 2014 2015		T	HIS (K YOU <u>VE</u> QUESTION ERS ARE	NNAIRE!	ALL

___7

8

__9

Sep

Oct

Nov Dec

u close the air

HOUR	MIN	AM/ PM
1	00	☐ AM
□ 2	15	☐ PM
□ 3	30	
4	45	
5		
☐ 6		
7		
<u> </u> 9		
10		
12		

OR COMPLETING OF YOUR RTANT.

OMB#: 0925:xxxx Expiration Date: xx/xxx

NATIONAL CHILDREN'S STUDY T3/24 MO - TWO AIR BADGES COLLECTION INSTRUCTIONS

THE NATIONAL CHILDREN'S

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READ STEPS 1 - 12 BEFORE SETTING UP THE AIR BADGES.

INSTRUCTIONS FOR SET-UP OF AIR BADGES

- 1) Remove contents of the air badges collection kit.
- 2) Choose the room in your home where you spend the most time while you are awake (other than a kitchen). This could be a living room, family room, bedroom, etc.
- 3) Choose a location to hang the air badges where they will not be disturbed. The air badges should remain in this location for one week. Ideally, the air badges should be at least 4 ft. from the floor and 1 ft. from a wall, like the edge of lampshade. If your room does not have any lamps, you may choose any other location such
- 4) Remove the paper backing from the stick on anchor. In the spot chosen in step 2, stick the anchor in place.

as a ceiling or doorway. Do not attach the anchor to a wall.

Photo 1: Contents of air badges collection kit with each item labeled by name.

Photo 2: Lampshade with removable anchor attached.

Photo 3: Doorway with removable anchor.

Instructions continued on page 2

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-xxxx*). Do not return the completed form to this address.

NATIONAL CHILDREN'S STUDY T3/24 MO - TWO AIR BADGES COLLECTION INSTRUCTIONS

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INSTRUCTIONS FOR SET-UP OF AIR BADGES

- 5) Wash your hands with soap and water. Rinse well and dry thoroughly. Put on disposable gloves.
- 6) Remove the contents of the air badges collection kit, take out the "T3/24 Mo Two Air Badges Questionnaire" and write down today's date (question 1).
- 7) Unpack each of the passive air badges and the air badge holder and attached hanging wire.

- 8) Clip each air badge onto the air badge holder in one of the two spots provided.
- 9) Remove the attached cap from each air badge and then write down the start time on the "T3/24 Mo Two Air Badges with Questionnaire" (question 2).

Photo 4: Opening air sample collection containers.

Photo 5: Air badges clipped to the plastic air badge holder.

Photo 6: The two air badges clipped to the air badge holder and hand removing cap from one of the air badges (the other is already uncapped).

Instructions continued page 3

A.2.3.q-10 Appendix A

NATIONAL CHILDREN'S STUDY T3/24 MO - TWO AIR BADGES COLLECTION INSTRUCTIONS

DRAFT ONLY - NOT FOR DISTRIBUTION CHILDREN

INSTRUCTIONS FOR SET-UP OF AIR BADGES

10) Hang the air badge holder to the ceiling anchor using the hanging wire.

Photo 7: Badges and badge holder hanging from the ceiling anchor.

- 11) Place the contents of the air badges collection kit back in the bag. Throw away the disposable gloves.
- 12) Leave the air badges open and hanging for at least 7 days, but not longer than 8 days.

Photo 8: Contents of the air badges collection kit being placed back in the bag.

Thank you for setting up the air badges. After 7 or 8 days, please take down and ship the air badges according to the instructions below.

NATIONAL CHILDREN'S STUDY T3/24 MO - TWO AIR BADGES COLLECTION INSTRUCTIONS

THE NATIONAL CHILDREN'S STUDY

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READ STEPS 1 - 11 BEFORE TAKING DOWN THE AIR BADGES.

INSTRUCTIONS FOR TAKING DOWN AND SHIPPING THE AIR BADGES

- 1) Wash your hands with soap and water. Rinse well. Put on a clean set of disposable gloves.
- Remove the contents of the air badges collection kit, take out the "T3/24 Mo - Two Air Badges Questionnaire" and write down today's date (question 12).
- 3) Take down the air badge holder and air badges.

4) Replace the cap on each air badge and make sure it is completely sealed. Write down the stop time on the "T3/24 Mo - Two Air Badges

- Two Air Badges
Questionnaire" (question 13).

Photo 9: Gloved hands taking down the air badge holder from the ceiling

Photo 10: Photo showing gloved hands replacing the cap on the air badges.

Photo 11: Photo showing person removing anchor from the edge of a lampshade.

Instructions continued page 2

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Call 800-XXX-XXX if you have any questions about collection of this sample.

NATIONAL CHILDREN'S STUDY T3/24 MO - TWO AIR BADGES COLLECTION INSTRUCTIONS

THE NATIONAL CHILDREN'S STUDY

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INSTRUCTIONS FOR TAKING DOWN AND SHIPPING THE AIR BADGES

- 5) Unclip each air badge from the air badge holder and place each in its own pouch. Seal each pouch shut. Place the two air badges into the larger Ziploc bag and seal shut.
- 6) Complete the "T3/24 Mo Two Air Badges Questionnaire".
- Photo 12: Photo showing gloved hands sealing up the air badges in the pouches and the larger Ziploc bag with "T3/24 Mo Two Air Badges Questionnaire" in the background.

- 7) Place the following items in the return mailing envelope:
 - Ziploc bag containing the air badges
 - Completed "T3/24 Mo Two Air Badges Questionnaire"
- 8) Place the mailing envelope in the US mail within 12 hours of placing the cap on the air badge.

Photo 13: Photo showing a Ziploc bag containing air badges, and completed T3/24 Mo - Air Badges with NO₂ Questionnaire being placed into the pre-addressed mailing envelope.

Thank you for sending in your air badges. Your continued participation in this study is greatly appreciated.

NATIONAL CHILDREN'S STUDY T3/24 MO -TWO AIR BADGES QUESTIONNAIRE

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		HEALTH GROWTH ENVIRONMENT
	Use only a black, ball-point pen. Do not use a pencil or	_
	felt-tip pen. Put an X in the box next to your answer¤.	
	If you make any changes, put a line through the incorrect	Question 4 appears at the top of the next column.
	answer Ξ and put an $oldsymbol{X}$ in the box next to the correct	
	answer¤. Also, draw a circle around the correct answer	
		4. Where did you hang the badges?
l.	When did you place the air badges in the room where you spend the most time? MONTH DAY YEAR	Doorway or entrance to a room. Edge of a lamp shade Ceiling
	☐ Jan ☐ ☐ ☐ ☐ ☐ 2008 ☐ Feb ☐ ☐ ☐ ☐ ☐ 2009	Other, describe:
		5. About how many feet above the floor did you place the badges?
	☐ Jul ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	Feet
	☐ Oct ☐ ☐ 9 ☐ ☐ Dec ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	6. Were the air badges disturbed in any way during the period they were open in the room?
2.	Approximately what time did you open the air badges?	No (SKIP TO QUESTION 5) Yes
	HOUR MIN AM/	6a. How were the air badges disturbed?
	PM	They fell/were knocked down. Other, describe:
		=
	□ 4 □ 5 □ 6 □ 7	▼7. About how many hours total during the week were the windows / doors open while the air badges were open?
	8 9	Less than one hour $1 - < 5$ hours
		₃ 5 - < 10 hours
		₄ 10 -< 24 hours
		₅ More than 24 hours
3.	In which room were the air badges placed?	8. Which, if any, of the following products did you use in the room while the air badges were open
	$_{\scriptscriptstyle 1}$ \square Common living area, such as a	(check all that apply)?
	family room or a living room.	₁ Room fresheners / deodorizers
	₂ Your bedroom/your child's	Cleaning products
	bedroom	₃ Spray pesticides
	3 Kitchen 6 Other describe:	$_{ exttt{0}}$ \square None of the above

NATIONAL CHILDREN'S STUDY T3/24 MO -TWO AIR BADGES QUESTIONNAIRE



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	Did anyone sm he air badges			at any time	while	13. Approxi badges
	No Yes					Н
	Were candles by while the air ba				me	
	No No Yes					
	Was a gas or p any time while					
	No No Yes					
12.	What date badges?	did you d	lose	the air		THANK Y
	MONTH	DAY	r	YEAR		ANSWER
	Jan Feb Mar Apr May Jun	□0	0 1 2 3 4 5	2008 2009 2010 2011 2012 2013 2014		
	Jul Aug Sep Oct Nov		6 7 8 9	2015		

13. Approximately what time did you close the air badges?

HOUR	MIN	AM/ PM
1	00	AM
□ 2	15	PM
3	30	
4	45	
□ 5		
□ 6		
□ 7		
□ 8		
□ 9		
10		
11		
12		

THANK YOU <u>VERY MUCH</u> FOR COMPLETING THIS QUESTIONNAIRE! ALL OF YOUR ANSWERS ARE VERY IMPORTANT.