KING COUNTY ASTHMA PROGRAM: CLINIC HOME CONNECTIONS

October 2017

HOME ENVIRONMENT CHECKLIST

| | Participant ID | |
|-----|---|----------|
| | G2P PROGRAM HOME ENVIRONMENTAL CHECKLIST | |
| Q.# | SECTION A (A) -ASSESSMENT COVER SHEET | RESPONSE |
| | DATE: (MM/DD/YY):/ | Date |
| | ASSESSOR'S INITIALS: | Initials |
| | NAME: First: Last: | Name |
| | LANGUAGE OF INTERVIEW: 1 English 2 Spanish | |
| | Date house was built: | A7a |
| | Source of date for when house of built? (Check all that apply) 1 Official housing office info 2 Client 3 Other | A7b |

The next step is to look for things in the home, both inside and outside, that can cause triggers that can make your asthma worse. We would like to do a walk-thru of your home with you, because you know your home best and together we can identify problems. Outside the home we can identify home vulnerabilities to water, roof issues, absent gutters and downspouts for example. Inside the home we can identify malfunctioning fans, mold, dust mites, cockroaches, and other asthma triggers that you may be aware of already. We can address any issues, questions, or concerns that you may have as well.

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| Q.# | SECTION B - BUILDING EXTERIOR/OUTSIDE (B) | RESPONSE |
|-----|---|----------|
| B1 | What is the type of building? | B1 |
| | \square_1 Apartment (with 3 or more units) \square_3 Detached single house | |
| | □ ₂ Duplex □ ₄ Trailer | |
| B2 | Do you see any problems with the roof (for example sagging, holes, or missing materials)? | B2 |
| | 1 Yes 2 No 9 Can't see entire roof | |
| В3 | Do you see any walls with missing bricks, siding, shingles, etc.? | B3 |
| | 1 Yes 2 No 3 N/A 99 Don't Know | |
| B4 | Do you see any cracks in at-grade walls? | B4 |
| | 1 Yes 2 No 3 N/A 99 Don't Know | |
| B5 | Would water drain toward the house (improper grading)? | B5 |
| | 1 Yes 2 No 3 N/A 99 Don't Know | |
| В6 | Are there any visible sources of leaks? | B6 |
| | 1 Yes 2 No 3 N/A 99 Don't Know | |
| В7 | Is there standing water near the foundation? | B7 |
| | 1 Yes 2 No 3 N/A 99 Don't Know | |
| B8 | Do all vents have screens? | B8 |
| | 1 Yes 2 No 3 N/A 99 Don't Know | |
| В9 | Is any paint peeling or flaking on the outside of the house? | B9 |
| | 1 Yes 2 No 3 N/A 99 Don't Know | |
| B10 | Does water spill onto siding or foundation because of malfunctioning or absent gutters and/or | B10 |
| | downspouts? | |
| | 1 Yes 2 No 3 N/A 99 Don't Know | |
| B11 | Is soil or vegetation in contact with the siding of the house? | B11 |
| | 1 Yes 2 No 3 N/A 99 Don't Know | |
| B12 | Is there accumulated garbage or debris on the property? | B12 |
| | 1 Yes 2 No 3 N/A 99 Don't Know | |

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| Q.# | SECTION C- PARTICIPANT ACTIONS (PA) | RESPONSE |
|-----|---|----------|
| | I will now ask you some questions about things some people do in their homes to help control asthma triggers. Triggers are things that make your asthma worse. There is no right or wrong answer, just tell me what YOU do. | READ |
| | Please tell me some things you do to: | |
| PA1 | Control dust mites Response: | |
| PA2 | Keep roaches out of your home Response: | |
| PA3 | Keep rodents (mice and rats) out of your home | |
| PA4 | Response: Keep mold and moisture out of your home Response: | |
| PA5 | Keep pets from making your asthma worse Response: | |
| PA6 | Keep pollens from making your asthma worse Response: | |
| PA7 | Keep tobacco smoke out of your home | |
| PA8 | Response: Keep strong cleaners or other strong/irritating odors out of your home Response: | |
| Q.# | GENERAL QUESTIONS (G) | RESPONSE |
| | | |
| G2 | How many bedrooms are in the home? # | G2 |
| G3 | Not counting bathroom(s), how many rooms are in the home? # | G3 |

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| Q.# | SECTION D - DUST AND CLEANING (DC) | RESPONSE |
| | Next, I would like to ask you some questions related to dust, cleaning, and washing. | READ |
| | When people come into your house, do they: 1 Yes 2 No 3 Sometimes | Answer set |
| DC1a DC1b | a. Remove their shoes?b. Use doormat or hall rug to wipe their feet? | DC1a |
| DC4 | Do you have a working vacuum cleaner in the house, and does have Hepa filter? ☐ 1 Yes ☐ 2 No⇒ Skip to DC6 ☐ 99 Don't Know⇒ Skip to DC6 During the last 14 days, how many times did you or anyone in the home: | DC4 |
| | Enter #. If unknown enter 99, if not applicable enter 98. | |
| DC6. | Vacuum the floor of the room in which you [or your child] sleep? | DC6 |
| DC7. | Vacuum the cloth covered furniture in the home? | DC7 |
| DC8. | Dust the room in which you [or your child] sleep? | DC8 |
| DC9. | Sweep, mop, dust or vacuum the kitchen or cooking area floor? | DC9 |
| DC10. | Clean the kitchen counter? | DC10 |
| DC11. | Wash your [or your child's] sheets and pillowcases? | DC11 |
| DC12. | Wash your [or your child's] pillows? | DC12 |
| DC13. | Scrub the tub or shower wall in the bathroom? | DC13 |
| DC14a. DC14b. DC14c. DC14d. DC14e. | What do you use to scrub the tub or shower wall in the bathroom? (Read choices) a. Tilex or other store bought cleaner | DC14a DC14b DC14c DC14d DC14d DC14e |
| DC16a DC16b | When you wash your [or your child's] sheets and pillow cases what temperature do you use for the a. Wash cycle? 1 Hot 2 Warm 3 Cold 99 Don't know b. Rinse cycle? 1 Hot 2 Warm 3 Cold 99 Don't know | DC16a |

| P | ar | tic | ip | an | t | ID |) | | | |
|---|----|-----|----|----|---|----|---|--|--|--|
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| Q.# | SECTION E - VENTILATION AND MOISTURE (VM) | RESPONSE |
|-------|---|----------|
| VM1 | Do windows other than in the bathroom and kitchen fog up? | VM1 |
| | ☐1 Never ☐2 Rarely ☐3 Sometimes ☐4 Always ☐99 Don't know | |
| VM2 | Does the bathroom window or mirror stay fogged up for more than 15 minute after the shower is used? 1 Yes 2 No 3 N/A 99 Don't Know | VM2 |
| Q.# | SECTION F - PETS AND PESTS (PP) | RESPONSE |
| PP1 | Do you have any furry or feathered pets, such as dogs, cats, rabbits, birds, hamsters/gerbils/other rodents or others? | PP.1 |
| PP1.a | ☐1 Yes: Type: ☐2 No | PP.1.a |
| rr1.a | PP1.a IF YES: Does it come inside? | |
| | ☐1 Yes ☐2 No ⇒ Skip to PP2 | DD 1 h |
| PP1.b | PP1.b IF YES: Does it come inside your [or your child's] sleeping room? | PP.1.b |
| | □1Yes □2 No | |
| PP2 | Do you have cockroaches in your home now or in the past 3 months? | |
| | □1 Yes □2 No | |
| | 2 If yes, within the past 3 months but not now | |
| | ☐3 No problem within the past three months ⇒Skip to PP3 | |
| | PP.2.a How often have you seen any live or dead cockroaches or cockroach feces INSIDE this home | |
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Q. # SECTION G – HOME WALK THROUGH

Now I would like to walk through several rooms of your home with you. I will be making observations, looking under sinks in the kitchen and bathroom, and recording information about these rooms. I will also be asking you questions related to specific items in some of the rooms we will be surveying. Let's start here in the living room

| | ER EACH TASK RECORD INSPECTION NOT INSPECTED, WHY. | LR | BED | KIT | BATH | BASE | OTHER |
|----|--|----|-----|-----|------|----------------------|-------|
| 1a | Type of floor covering: 1 = Carpet , 2 = Hardwood, tile, linoleum or vinyl, 3 = Other | | | | | | |
| 1c | Condition of carpet? 1 = Good, 2 = Fair, 3 = Poor | | | | | | |
| 2 | Cloth covered furniture? Enter # (N=0) | | | | | | |
| 3a | Can at least one window be opened? 1= Y, 2 = N | | | | | | |
| 3b | When weather allows, do you open the window to ventilate? 1= Y, 2 = N | | | | | | |
| 3c | Type of window covering: 1 = Curtains/ drapes, 2 = Blinds or shades, 3 = None/not applicable | | | | | | |
| 3d | Is the window fall-proof? (e.g. grated, opening limited, etc) 1= Y, 2 = N | | | | | NO ANSWER SKIP | |
| | STRUCTURAL PROBLEMS: | LR | BED | KIT | BATH | BASE | OTHER |
| 5a | Cracks (larger than thickness of a dime) 1= Y, 2 = N | | | | | | |
| 5b | Holes 1= Y, 2 = N | | | | | | |
| 5c | Peeling Paint 1= Y, 2 = N | | | | | | |
| 5d | Other: 1= Y, 2 = N | | | | | | |
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| | If YES to the above (5a-d), ask (5e-h): | | | | | | |
|----------------|--|----|-----|-----|------|------|-------|
| 5e | Have you tried to fix the problem yourself? 1= Y, 2 = N | | | | | | |
| | | | | | | | |
| 5f ∆ | What did you do? | | | | | | |
| | | | | | | | |
| 5g | Have you asked your landlord to fix the problem? 1= Y, 2 = N | | | | | | |
| 5h ∆ | What did he/she do? | | | | | | |
| | | | | | | | |
| 6 | See evidence of Water damage 1= Y 2 = N | | | | | | |
| 7 | See evidence of Condensation 1= Y, 2 = N | | | | | | |
| 8 | See evidence of Water leaks/drips 1= Y 2 = N | | | | | | |
| 8a | If YES:, source of leaks/drips 1. outside 2. Inside 3. Both | | | | | | |
| 8b | For exposed pipes, condensation/damp exposed pipes: Plumbing pipes are? 1. dry 2. Moist 3. Dripping 99. unk | | | | | | |
| | | | | | | | |
| | MOLD AND OTHER | LR | BED | KIT | ВАТН | BASE | OTHER |
| 9 | Mold/Mildew 1= Y, 2 = N | | | | | | |
| 9a | Location: 1. Wall/ceiling, 2. Carpet 3. Window tracks 4. Other | | | | | | |

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|------|---|--|--|------|
| | | | | |
| 9b | Size of mold/mildew area | | | |
| 9bi | Record second measure if multiple areas | | | |
| 9bii | Record third measure if multiple areas | | | |
| 9c | Intensity of mold/mildew 1. Slight 2. Moderate 3. Sever | | | |
| | Would also note mold source: □Leaking roof □Leaking appliance □Leaking water pipe in wall or ceiling □Poor ventilation □Do not know (from HUD/CDC inspection manual) | | | |
| 10 | Cockroaches (including eggs, feces, insects) 1= Y, 2 = N | | | |
| 11 | Rodents (or droppings) 1= Y, 2 = N | | | |
| 12 | Food crumbs, open or unsecured food 1= Y, 2 = N | | | |
| 13 | Clutter (dust traps, pest hiding places, boxes, piles) 1= Y, 2 = N | | | |
| 13a | Level of dust on surfaces 1= none, 2 = slight, 3 moderate, 4= heavy | | | |
| 14 | Cigarette butts, ashtrays with ashes 1= Y, 2 = N | | | |
| 15 | Tobacco odor 1= Y, 2 = N | | | |
| | | | | |

| Q.# | SECTION H – CLIENT'S BEDROOM/SLEEPING AREA (CB) | RESPONSE |
|-----|--|---------------|
| CB1 | At what temperature do you keep this room during the heating season? °F (Enter 98 if the heater does not work) | CB1 Tempature |
| CB3 | Is the gap under the bedroom door at least 1"? | CB 3 |
| CB4 | Does the object (bed, mattress, etc.) on which client usually sleeps have a zippered allergy control cover? | CB 4 |
| | □1 Yes □2 No □99 Don't know | |
| CB5 | Does the pillow have a zippered allergy control cover? | CB 5 |
| | 1 Yes 2 No 98 No Pillow | |
| Q.# | SECTION I – KITCHEN (K) | RESPONSE |
| | | |
| K1 | Hood/vent with working fan over the stove/oven? | K1 |
| K1 | Hood/vent with working fan over the stove/oven? ☐ 1 Yes ☐ 2 No ⇒ Skip to K5 ☐ 99 Don't know | К1 |
| K1 | | K1 |
| | □1 Yes □2 No ⇒ Skip to K5 □99 Don't know | |
| | □1 Yes □2 No ⇒ Skip to K5 □99 Don't know Does the paper towel test show that the fan suction is adequate? | |
| K2 | 1 Yes 2 No ⇒Skip to K5 99 Don't know Does the paper towel test show that the fan suction is adequate? 1 Yes 2 No 99 Don't know 99 Don't know | K2 |
| K2 | □ 1 Yes □ 2 No ⇒Skip to K5 □ 99 Don't know Does the paper towel test show that the fan suction is adequate? □ 1 Yes □ 2 No □ 99 Don't know How often is the fan/vent used when the stove is in use? | K2 |
| K2 | □1 Yes □2 No ⇒Skip to K5 □99 Don't know Does the paper towel test show that the fan suction is adequate? □1 Yes □2 No □99 Don't know How often is the fan/vent used when the stove is in use? □1 Never □2 Rarely □3 Sometimes □4 Always □5 Don't know | K2 |
| K2 | □1 Yes □2 No ⇒Skip to K5 □99 Don't know Does the paper towel test show that the fan suction is adequate? □1 Yes □2 No □99 Don't know How often is the fan/vent used when the stove is in use? □1 Never □2 Rarely □3 Sometimes □4 Always □5 Don't know Is the vent over the stove vented to the outside? | K2 |

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| К6 | Significant greas | e buildup on stov | re? | K6 | | |
| | □1 Yes | □2 No | 99 Don't know | | | |
| Q.# | SECTION J - | BATHROOM | (BA) | RESPONSE | | |
| BA1 | Is there a working | ng fan? | | BA1 | | |
| | 1 Yes | □2 No ⇒ Skip | to BA599 Don't know | | | |
| BA2 | Does the paper | towel test show t | hat the fan suction is adequate? | BA2 | | |
| | □1 Yes | □2 No | 99 Don't know | | | |
| BA3 | How often is the | e fan used during a | and after a shower? | BA3 | | |
| | ☐1 Never | 2 Rarely | 3 Sometimes 4 Always 99 Don't know | | | |
| BA4 | Is the fan vented | d to the outside? | | BA4 | | |
| | □1 Yes | ☐2 No | 99 Don't know | | | |
| BA5 | Are there cracks missing tiles, etc | | I the tub, shower or sink caused by inadequate caulking or seals, | BA5 | | |
| | □1 Yes | □2 No | 99 Don't know | | | |
| Q.# | SECTION K - | - BASEMENT (| (ВТ) | RESPONSE | | |
| BT1 | Is there a basem | ent in the house? ☐2 No ⇒ Skip | o to BT5 | BT1 | | |
| BT3 | Is the basement | wet or damp? | | BT3 | | |
| | 1 Yes | ☐2 No | 99 Don't know | | | |
| BT4 | Have you had w | _ | | BT4 | | |
| DTC | 1 Yes | ☐2 No | 99 Don't know | D=2 | | |
| BT6 | | barrier in crawl sp | | BT6 | | |
| | 1 Yes | ☐2 No | 99 Don't know | | | |

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| Q.# | SECTION L – CHEMICALS (PT) | RESPONSE |
| | Now I have a few questions about chemicals inside and outside your home. | READ |
| PT5 | Is there a place to store chemicals that is separated from the living area such as a shed or detached garage? (to keep fumes from getting into the living space) | PT5 |
| | ☐ 1 Yes ☐ 2 No ☐ 99 Don't know IF YES: Specify location: | |
| PT7 | Are there members of the household who work with hazardous materials on the job? (such as asbestos, batteries, lead, mercury, paint or pesticides) ☐ 1 Yes ☐ 2 No ⇒Skip to HS1 ☐ 99 Don't know ⇒Skip to HS1 | PT7 |
| PT8 | Before coming home, do they (check all that apply) 1 Change clothes 2 Change shoes 3 Shower 99 Don't know/none of these choices | PT8 |
| PT9 | Are their work clothes laundered separately from the family wash? 1 Yes 2 No 99 Don't know | PT9 |
| | | |

| .# | SECTION M - HEAT SOURCES | SECTION M – HEAT SOURCES (HS) | | | | | |
|------|--|-------------------------------|-------------|------------|-------------------|-------|--|
| 51 | Does the hot water tank leak? | | | | | HS1 | |
| | ☐1 Yes ☐2 No ☐99 Don't know | | | | | | |
| | HS.2 Identify heat sources in | Yes | No | Don't know | | | |
| | HS.2 a. Baseboard | | | | | HS2.a | |
| S2.a | HS.2 b . Gas | | | | | HS2.b | |
| S2.b | | | | | | HS2.c | |
| S2.c | HS.2 c. Oil | | | | | HS2.d | |
| S2.d | HS.2 d. Wood stove/fireplace | | | | | HS2.e | |
| S2.e | HS.2 e . Space heater | | | | | HS1.f | |
| S2.f | HS.2 f. If forced air, check condition of filter (record one) | 1-Clean | 2-Partially | 3-Dirty | 4-Unable to check | | |
| | HS.2 g Date filter was last changed or washed | | dirty | | CHECK | | |

| Q. # | SECTION N – SAFETY (OPTIONAL) – (S) | RESPONSE |
|----------------------------------|--|------------------------------|
| \$1.a \$1.b \$1.c \$1.d | Is lighting adequate for safety for the following places? a. Hallway | S1.a S1.b S1.c S1.d |
| S2. S2.a S2.b | Are these structures in poor or deteriorating condition in any area of the home? (inside or outside) a. Staircase | S2.a S2.b |
| \$2.c \$3 | c. Railings | \$2.c \$3 |
| S3.a | IF YES, test detector by pushing test button. Is the smoke detector working? ☐ 1 Yes ☐ 2 No ☐ 99 Don't know | \$3.a |
| S3.b | If No, what is the problem? 1 Dead battery 2 Broken 3 Can't test | S3.b |
| S3.c | Is there a CO detector on each floor in your home? (test detector by pushing test button) 1 Yes 2 No 99 Don't know | S3.c |
| \$3.d | IF YES, test detector by pushing test button. Is the smoke detector working? 1 Yes 2 No 99 Don't know | \$3.d |
| S3.e | If No, what is the problem? 1 Dead battery 2 Broken 3 Can't test | S3.e |
| S4 | Is there a poison center number on or near the phone? 1 Yes 2 No 99 Don't know | \$4 |
| S5 | In case of fire are there at least 2 ways to get out of the home? (ways may include fire escape, exit door, balcony, window you can crawl through, or stairs from a public hall) 1 Yes 2 No 99 Don't know | S5 |
| S6. | Are any firearms kept in or around your home? Include those kept in a garage, outdoor storage area, car, truck, or other motor vehicle. ☐ 1 Yes ☐ 2 No ⇒ Skip to S7 ☐ 99 Don't know⇒ Skip to S7 | \$6.1 |
| S6.a | S6.1.a Are any kept loaded? 1 Yes 2 No 99 Don't know | S6.a |
| S6. b | Q.6b. Are any kept unlocked? 1 Yes 2 No 99 Don't know | \$6.b |
| S7 | Are there any non-asthma medicines in the home that may be accessible to children? 1 Yes: Specify: 2 No | S7 |
| \$8 | Products in or around your home (please enter Y, N or specify) | |
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| | 1. Yes/No | 2. Is container damaged? | 3. Where is it? | 4. Could a child get to it? |
|-----------------------------|-----------|--------------------------|-----------------|-----------------------------|
| S8a. Flammable product type | | | | |
| S8b. Hazardous product type | | | | |