IMPLEMENTATION AND MANAGEMENT OF VIRTUAL HOME VISITS FOR ASTHMA MANAGEMENT

Version #3 (February 2022)





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February 2022

Section of Environmental Epidemiology and Toxicology (SEET) Office of Public Health Louisiana Department of Health

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VERSION HISTORY

Version No.	Date	Review of Changes
Version #1	Dec 2020	Created
Version #1.1	Mar 2021	Platform used to conduct Virtual Home Visits updated
Version #2	Oct 2021	Change in staffing at OLOLCH; Criteria for Virtual Home Visits updated (environmental score reduced from 4 to 2)
Version #3	Feb 2022	Change in when program evaluations are conducted for clients not qualifying for Virtual Home Visits; Change in staffing at GHHI; Added optional educational handout on integrated pest management strategies

I. PURPOSE

This document describes the Standard Operating Procedure (SOP) for the Virtual Home Visits for asthma management under the BREATHE program (<u>Bringing Respiratory Health Equity for Asthmatics Through Healthier Environments</u>). It is intended to guide the implementation and management of the program, as developed under the US Environmental Protection Agency's (EPA's) State Environmental Justice Cooperative Agreement (SEJCA) from 2020-2022.

II. APPLICABILITY AND SCOPE

This SOP is applicable during all phases of the virtual home visits under the BREATHE program, including client identification, enrollment, pre-screening, transfer, educational home visits, case evaluation and program evaluation. It is applicable to all parties involved in the BREATHE Virtual Home Visits program at the Louisiana Department of Health and Our Lady of the Lake Children's Hospital (OLOLCH).

III. SUMMARY OF PROCEDURES

The BREATHE Virtual Home Visit program is designed to bring asthma and Healthy Homes education to assist with asthma management in areas that have a high burden of asthma, COVID-19, as well as social and environmental vulnerability. Individuals interested in participating in the program will be identified during contact tracing by LDH. These individuals will then be followed up with by LDH to better understand their asthma status and any potential environmental issues. Individuals with uncontrolled asthma and significant home environmental triggers (as determined through the pre-screening – see section VI) will be provided three Virtual Home Visits, one month apart, by trained healthcare providers at Our Lady of the Lake Children's Hospital. Individuals who do not qualify for Virtual Home Visits will be provided educational materials on clinical and environmental approaches to asthma management by either postal or electronic mail, per their preference. All individuals will be surveyed three months after the first home visit, or one month after educational materials were sent to those who did not qualify for virtual visits, to be evaluated on their current knowledge of asthma management and environmental trigger reduction, current asthma status and program evaluation. Additionally, the LDH team will meet at least monthly to review internal statistics on program implementation to assure quality control and a positive client experience (see section VIII).

IV. DEFINITIONS

BREATHE Acronym that stands for 'Bringing Respiratory Health Equity for Asthmatics

Through Healthier Environments'. It is an environmental health-focused asthma management program, housed at LDH, which aims to bring comprehensive environmental health services to low-income residents to assist with better

asthma management.

EPA Environmental Protection Agency

HIPAA Health Insurance Portability and Accountability Act of 1996 (HIPAA) is a

federal law that required the creation of national standards to protect sensitive patient health information from being disclosed without the patient's consent or

knowledge (https://www.cdc.gov/phlp/publications/topic/hipaa.html)

IEQES SEET's Indoor Environmental Quality Education Service – operates a monitored

hotline and provides personalized guidance on indoor environmental quality

concerns expressed by Louisiana callers

LDH Louisiana Department of Health (https://ldh.la.gov/)

SEET Acronym that stands for 'Section of Environmental Epidemiology and

Toxicology'. It is housed in the Bureau of Infectious Disease (BID), in the Office of Public Health (OPH), in the Louisiana Department of Health (LDH). Using an applied science approach, SEET is responsible for investigating the

health effects of environmental exposures in populations. It supports, collaborates, and participates in environmental health research. SEET is

committed to reducing any known environmental threat to the public's health; it also provides information and data to the public to ensure better government policies and personal choices. Public health education efforts by SEET promote awareness of environmental health issues and are an integral part of its mission.

For more information, see: https://ldh.la.gov/index.cfm/subhome/22

SEJCA State Environmental Justice Cooperative Agreement

V. PERSONNEL QUALIFICATIONS AND RESPONSIBILITIES

Personnel involved in the BREATHE Virtual Home Visit program are listed in alphabetic order.

Name	Job Title	Organization
Arundhati "Runa" Bakshi, Ph.D.	Environmental Health Scientist Coordinator	Section of Environmental Epidemiology & Toxicology, Office of Public Health, Louisiana Department of Health

Role in the Project: Manage all aspects of program design, implementation, and evaluation; Conduct data analyses to identify areas of concern and populations at-risk as required; Write SOP and project reports; Submit manuscripts for publication

Qualifications: Dr. Bakshi holds a BS in Biology and Chemistry, and a PhD in Molecular Biology. She has over 5 years of experience in leading collaborative projects, including design, planning, implementation and evaluation, scientific data analysis, preparing manuscripts for publication, and mentoring students towards scientific careers. As a cross-disciplinary scientist, she is trained in both the technical aspects of environmental epidemiology as well as the mechanisms through which environment can influence health. In her current position at the Louisiana Department of Health, she is bringing together her diverse skills, as well as her interest in promoting health equity and environmental justice, to lead the BREATHE asthma initiative as part of the EPA State Environmental Justice Cooperative Agreement.

Name	Job Title	Organization
Brendan Brown	Director of Research	Green and Healthy Homes Initiative

Role in the Project: Act as liaison between with Green and Healthy Homes Initiative and provide technical assistance in the design of the BREATHE initiative.

Qualifications: Mr. Brown graduated with a Masters of Health Science in Environmental Health from Johns Hopkins Bloomberg School of Public Health. He also received a Risk Science and Public Policy Certificate with a focus on biostatistics, applied environmental epidemiology, risk communication and management, health impact assessments, disease surveillance and program evaluation.

Name	Job Title	Organization
Colette Maser, MPH&TM, teaching credential	Indoor Environmental Quality Coordinator	Section of Environmental Epidemiology & Toxicology, Office of Public Health, Louisiana Department of Health

Role in the Project: Conduct client enrollment, pre-screening and transfer to OLOLCH team; Provide guidance related to clients' indoor environmental concerns; Provide educational materials to clients who do not qualify for a virtual home visit based on pre-screening results; Create and manage data management tools in REDCap software

Qualifications: Ms. Maser holds a Bachelor's degree in Biochemistry from Smith College, a single subject teaching credential in biological science from the state of California, and a Masters of Public Health and Tropical Medicine from Tulane University School of Public Health and Tropical Medicine. She taught high school for twelve years before making the transition to public health.

Name	Job Title	Organization
Kate Friedman, MNS	Environmental Health Scientist Supervisor	Section of Environmental Epidemiology & Toxicology, Office of Public Health, Louisiana Department of Health

Role in the Project: Assist with scientific analysis, project input and review

Qualifications: Ms. Friedman holds a BS in Environmental Biology and Master of Natural Sciences degree in Physical Geography with Pathobiological Sciences minor. She has over 13 years of experience in Louisiana's Health Department working as both a Geographic System Analyst, Environmental Health Scientist Coordinator, and Supervisor. Her prior Environmental Science experience include lab work in an Environmental Health Microbiology lab, work as a civilian Research Participant with the US Army related to the Clean Water Act, and as a Research Associate with Louisiana State University Department of Civil Engineering. Currently, as the Principal Investigator of the CDC-funded Environmental Public Health Tracking Program, she oversees initiatives and provides review of project activities.

Name	Job Title	Organization
Kathleen Aubin, MSPH	Environmental Health Scientist Manager	Section of Environmental Epidemiology & Toxicology, Office of Public Health, Louisiana Department of Health

Role in the Project: Assist with the planning and development of the workplan, budget planning and outreach activities

Qualifications: Ms. Aubin holds a BS in Medical Technology from LSU Medical Center and a MSPH in Environmental Health Science from Tulane University School of Public Health. She has approximately 20 years of environmental health science experience, which includes nearly 18 years with the Louisiana Department of Health. Much of her experience includes assessing environmental data and preparing health consult reports based upon this data. In addition, she has participated in community health education outreach efforts with regard to conveying environmental data results to various communities. In her current role, she is responsible for managing 3 programs housed within the Section of Environmental Epidemiology and Toxicology: Environmental Public Health Tracking, Occupational Health, and Public Health Assessment.

Name	Job Title	Organization
Michael McKnight	VP Policy and Innovation	Green and Healthy Homes Initiative

Role in the Project: Act as liaison between with Green and Healthy Homes Initiative and provide technical assistance in the design of the BREATHE initiative.

Qualifications: Michael McKnight holds a degree in biomedical engineering from Harvard University. He currently heads advocacy, policy analysis, and leads work on innovative financing and partnerships at GHHI. He has focused on reimbursement for healthy homes interventions from Medicaid and other health care payers and the return on investment of education and environmental control in combatting asthma. He enjoys taking the lessons learned on the ground and formulating policy recommendations or identifying best practices to take to scale.

Name	Job Title	Organization
Shannon Soileau, MS	Section Chief	Section of Environmental Epidemiology & Toxicology, Office of Public Health, Louisiana Department of Health

Role in the Project: Facilitate collaboration with other LDH Programs and participate in the planning and development of the work plan, budget, and outreach activities.

Qualifications: Ms. Soileau holds a BS in Chemistry from Louisiana Tech University and an MS in Environmental Toxicology from Louisiana State University. She has nearly 20 years of experience with the Louisiana Department of Health working in various capacities within the Section of Environmental Epidemiology and Toxicology. In her current role, she is responsible for directing and administering all activities performed by the Section of Environmental Epidemiology & Toxicology.

Name	Job Title	Organization
Tracy Marquette, RRT, AE-C	Respiratory Therapist and Asthma Educator	Our Lady of the Lake Children's Hospital

Role in the Project: In charge of Virtual Home Visits; assist in recognizing a need for any home remediation and help overcome barriers that may be contributing to poor asthma control; working with the student health coordinators with Health Centers in Schools who will also help perform virtual visits and phone call follow ups; recording all collected data in an electronic format (REDCap); liaison with OLOLCH

Qualifications: Ms. Marquette has 30 years of clinical experience in respiratory care, and 20 years of experience in the pediatric population. Becoming certified in asthma education in 2012, she helped to develop the Community Asthma Management Program (CAMP). This program utilizes phone call follow up to aid parents in recognizing when the child is in control of asthma. Throughout her career, Ms. Marquette has been helping parents in overcoming barriers such as paper work for albuterol to be given in schools, connecting with primary care physicians, specialists, and school nurses, assuring the patients have easy-to-understand Asthma Action Plans, encouraging collaboration with non-profits such as the Tuff project and working with Healthy hoops.

VI. PROCEDURE

1. Client Identification

Starting Jan 2021, clients will be identified during COVID-19 Contact Tracing interviews, through the LDH contact tracing call centers. The script in Box 1 will be used to identify clients interested in participating in the program. Their contact information, including name, phone number, home address, email address and preferred mode of contact, will then be shared once a week in a password-protected spreadsheet format with **Dr. Bakshi** and **Ms. Maser** of the BREATHE team by LDH email. **Ms. Jenna Iberg Johnson** (LDH), who oversees the contact tracing initiative, will be responsible for sharing this file with the BREATHE team.

2. Client Enrollment

Client is enrolled in asthma intervention program and entered into the intervention case tracker, a custom REDCap data management system developed by LDH, to be used to enter data during pre-screening, the three virtual home visits and case evaluation. **Ms. Maser** (LDH) will be the primary party responsible for enrolling the client into the program and entering their case information into the case tracker **within one week** of receiving their information. Clients will be contacted using their preferred mode of communication. In the event of no response, **two further attempts** will be made to contact the client (either through a second email, followed by a phone call; or two additional phone calls). Each attempt will be made **within 4-10 days** of the prior attempt.

Box 1: Script used by Contact Tracers to Identify Clients

If positive outreach, contact outreach, or symptomatic contact indicates they have asthma, ask the following questions:

Q1: Would you like the LDH Asthma Outreach team to follow up with you regarding free and personalized asthma and Healthy Homes education?

Answer=N: Ok.

Answer to Q1=Y:

Q2: Great! Do we have your permission to share your contact information with the LDH Asthma team?

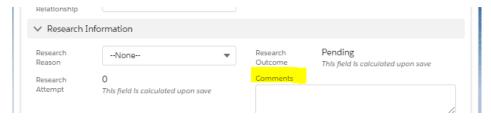
Answer=N: Ok, I understand. If you change your mind or would like more information on LDH's asthma program you may call 1-888-293-7020.

Answer to Q2=Y:

Q3: Would you prefer to be contacted by phone or email?

You can expect someone from the asthma team to contact you within 2-3 weeks. In the meantime, if you have any questions or want more information about the LDH asthma program please call 1-888-293-7020.

Please document in 'Comments' under Research Information on the case page layout that this case has opted in to the asthma pilot and their preferred method of contact. Please use the following format to document this information in 'Comments': Asthma pilot opt in; phone OR Asthma pilot opt in; email.



If client requests more information about the program before signing on:

Asthma is one of the risk factors for severe illness with COVID-19, making its proper management crucial these days. An important aspect of asthma control is cultivating a healthy and asthma-friendly home. To that end, LDH's BREATHE program (Bringing Respiratory Health Equity for Asthmatics Through Healthier Environments) is offering free and personalized asthma and Healthy Homes education. If you opt into the program, you will be contacted by a BREATHE representative within 2-3 weeks, who will then try to understand your individual asthma and home environmental situation, and provide personalized guidance through phone, e-mail and/or postal mail. If your asthma is uncontrolled, you may be offered a free virtual home visit through the BREATHE program. This LDH initiative is in collaboration with the Our Lady of the Lake Children's Hospital, Green and Healthy Homes Initiative, Louisiana Center for Health Equity, and New Orleans Health Department.

3. Client Pre-Screening/Visit Eligibility

LDH staff completes pre-screening questionnaire with client (Appendix 2) to assess need for scaled services using the custom REDCap data management system created by LDH. **Ms. Maser** is the primary party responsible for contacting clients **within two weeks** of receiving their information.

Prior to administering the pre-screening, the terms of participation in the program are explained to the client. While the service will be provided to them for free, the client must agree to:

- i. Answer a pre-screening interview to determine eligibility for Virtual Home Visits
- ii. Answer a "pre-test" and "post-test" (at the end of the intervention period) to ascertain change in knowledge about environmental asthma triggers
- iii. Participating in three Virtual Home Visits (if they qualify)
- iv. Take two Asthma Control Tests, three months apart, if they don't qualify for virtual visits
- v. Complete program evaluation after three months.

If clients agree, the interviewer administers the pre-screening questionnaire (Appendix 2) and Environmental Asthma Triggers Knowledge Test (Appendix 3).

Based on the results of the pre-screening, clients with need levels meeting the eligibility threshold are referred for remote educational visits with trained intervention personnel from OLOLCH. The eligibility threshold for Virtual Home Visits is Asthma Control Score >= 3 and Environmental Evaluation Score >= 2. OLOLCH staff will then follow up with clients within one week of receiving their information to schedule their first Virtual Home Visit.

Clients who do not meet this threshold will be administered an Asthma Control Test (Appendix 4). All clients, regardless of whether they qualify for the virtual visit, will then be sent educational materials (Appendix 5-10) via mail or email. This material will cover: (a) clinical asthma management; (b) Healthy Homes education for asthma trigger management in the home; (c) checklist for potential environmental issues in the home; (d) contact information for SEET's Indoor Environmental Quality Education Service (IEQ) hotline that is available to all Louisiana residents for personalized guidance on indoor environmental concerns; (e) information on accessing EPA's Air Quality Index to better understand the effect of outdoor air pollutants on asthma, and self-regulate outdoor activities when it may be advisable to do so for sensitive populations; (f) information on free asthma education classes through OLOLCH. Clients who do not qualify for virtual visits will be followed up on by the BREATHE team in 2-3 weeks post initial contact. If clients complain about mold, allergies and/or pests, they will also be sent the *optional* materials on mold and allergic rhinitis (Appendix 11-13). **Ms. Maser** will be the primary party responsible for sending this information **within 48 hours** of contacting the client.

4. Virtual Home Visits

Three Virtual Home Visits will be provided to at least 50 eligible clients by OLOLCH, with each visit being conducted approximately one month apart. Virtual visits will be conducted using an existing HIPAA complaint platform, called ANDOR, already in place at OLOLCH and across

Franciscan Missionaries of Our Lady Health System. This solution ensures confidentiality and security, as well ease of use and flexibility for clients. During the first visit, trained professionals will evaluate the client's asthma status and the home's environmental conditions using the Assessment Form (Appendix 14) and Asthma Control Test (Appendix 4). During the next two visits, the virtual home visitors will administer the Asthma Control Test and troubleshoot any barriers to implementing previously discussed measures to improve asthma control. During these visits, they will reference the educational materials (Appendix 5-13) to discuss relevant topics and provide customized consultations based on the feedback received. If the clients complain of related issues, such as pests or allergic rhinitis (hay fever), the virtual visitors may also counsel the patients about pharmaceutical and non-pharmaceutical therapeutic options available for the same (Appendix 12-13). This may be particularly helpful for clients with allergy symptoms related to home environmental factors not directly under their control, or if they are unable to control symptoms by practicing the housekeeping methods recommended by the virtual home visitor. **Ms. Marquette** (OLOLCH) will be the primary parties responsible for the successful scheduling and implementation of the Virtual Home Visits.

5. Evaluation

Case evaluations will take place within a month of the third virtual visit OR within a month after educational materials were sent to clients who did not qualify for a virtual visit. Ms. Maser will be the primary party responsible for completing case evaluations. Evaluation will include:

- i. Environmental Asthma Triggers Knowledge "post-test" (Appendix 3)
- ii. Asthma Control Test (Appendix 4)
 - Only to be administered to patients who were *not* eligible for virtual visits OR those who did not complete three virtual visits
 - The Asthma Control Test administered during the third session will be used for patients who received virtual visits.
- iii. Program Evaluation (Appendix 15)

Along with the measures from the Program Evaluation survey, the program will also be evaluated on the following measures on an annual basis:

- i. Total number of interested parties who could be reached, stratified by preferred mode of contact and number of attempts at making contact
- ii. Total number of clients who complete the all three Virtual Home Visits
- iii. Total number of clients who complete all aspects of the program, stratified those eligible for virtual visits and those not eligible.

VII. RECORDS MANAGEMENT

All records will be managed and updated electronically through the custom REDCap portal and database developed for this project by LDH. As a case progresses through the process flow (see

section VI), their progress will be tracked and monitored through checkboxes within REDCap. The LDH or OLOLCH staff member who completes a particular step in the process will be responsible for marking that step as "complete" for that case on a front-end portal for the REDCap database, and completing all relevant information for that step through the same. All patient data and case information will be securely stored behind the LDH firewall in a REDCap database accessible only to select LDH staff. Weekly backups of these data will be made **every Friday at noon** by downloading them in a CSV (comma separated value) file format and saving them in an LDH shared drive, where the data will be protected behind LDH firewalls. **Colette Maser** will be the primary party responsible for these backups. All members of the team collecting, storing, downloading, reviewing, or in any way handling these data will be trained in LDH's HIPAA (Health Insurance Portability and Accountability Act) protocols to protect patient privacy.

VIII. QUALITY ASSURANCE AND QUALITY CONTROL

1. Monthly Programmatic Review

The LDH BREATHE team will meet monthly (at a minimum) to review the following programmatic measures based timestamps on survey completion for each case on REDCap. If the timeline for events does not match what is described in the SOP, the team will meet at least weekly until metrics improve.

- i. Number of clients enrolled in the program in the past month
- ii. Number of clients contacted in the past month, stratified by whether they were deemed eligible for home visits or not
- iii. Fraction of clients enrolled in the program who have been contacted (to date)
- iv. Average turnaround time in the past month, from "client information received" to "client enrolled in the program" (i.e., pre-screening is completed and client information is entered into the case tracker)
- v. Average turnaround time in the past month, from "client pre-screening completed" to "educational materials sent to client by mail/email"
- vi. Average turnaround time in the past month, from "Virtual Home Visit client information received by OLOLCH" to "first Virtual Home Visit scheduled".

2. Biannual SOP Review

This SOP will be reviewed at least on a six-month basis and recertified or updated as needed. All changes made will be recorded in the Version History. Additionally, if any other changes need to be made outside of the review timeline, the SOP will be updated immediately as necessary and all changes documented within 1 month of their being implemented. All revised SOPs that supersede a preceding version will updated with a new version number, and follow the SOP naming convention below.

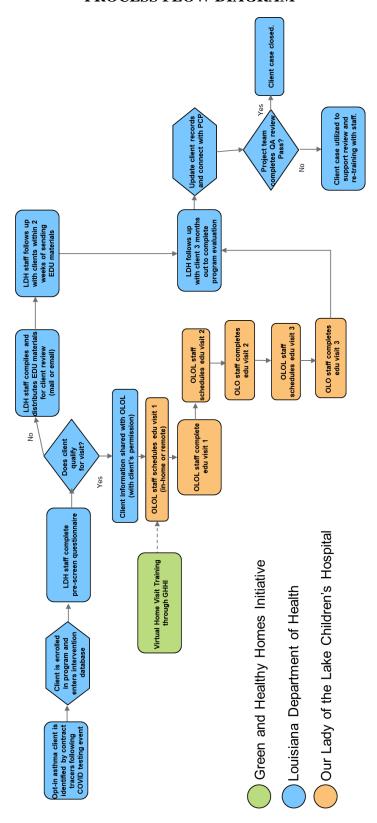


IX. REFERENCES

- 1. A. Bakshi, A. Reilly, M. Ramson, C. Stewart, S. Soileau, and K. Friedman. (2019) <u>Childhood Asthma in East Baton Rouge Parish</u>, 2010-2015. *Louisiana Morbidity Report*. March 2019 Special Environmental Edition.
- 2. Lessons Learned: Asthma Healthy Homes Pilot. (2018) Green and Healthy Homes Initiative.
- 3. <u>Recommendations for Evaluation Metrics for Asthma Home Visiting Programs</u>. (2019) Green and Healthy Homes Initiative.
- 4. <u>Comprehensive Environmental Healthy and Housing Assessment</u>. (2016) Green and Healthy Homes Initiative, Baltimore.
- 5. GHHI's Response to COVID-19. (2020) Green and Healthy Homes Initiative, Baltimore.
- 6. Virtual Healthy Homes Toolkit. (2020) Green and Healthy Homes Initiative, Baltimore.
- 7. <u>2015 Pilot Asthma Home Visiting Program with *Promotoras* Evaluation Brief</u>. (2016) New Mexico Asthma Control Program, New Mexico Department of Health.

APPENDIX 1

PROCESS FLOW DIAGRAM



APPENDIX 2

PRE-SCREENING SURVEY

This survey has been slightly adapted from the GHHI CAPITAL REGION: COMPREHENSIVE ASTHMA INTERVENTION SCREENING FORM (Albany, NY).

The complete survey can be found in: \\\10.12.4.254\\NASShare\\OPH\\SEET\\3-File Sharing Folder\\EPA EJ grant\\Survey Questionnaire or from www.ldh.la.gov\\BREATHE.

APPENDIX 3

ENVIRONMENTAL ASTHMA TRIGGERS KNOWLEDGE TEST

This survey has been adapted from pg. 19 of <u>2015 Pilot Asthma Home Visiting Program with Promotoras Evaluation Brief</u>. (2016) New Mexico Asthma Control Program, New Mexico Department of Health.

The complete survey can be found in: $\label{locality} $$ \frac{\label{locality} 10.12.4.254\NASShare\OPH\SEET\3-File\ Sharing}{\Folder\EPA\ EJ\ grant\Survey\ Questionnaire}$ or from $$ www.ldh.la.gov\BREATHE.$$

APPENDIX 4

ASTHMA CONTROL TEST

Asthma Control Test for children 4-11 years of age can be found at: http://www.amherstpeds.com/docs/816205R0_childhoodasthmacontrolcest_printable.pdf

Asthma Control Test for adults and children 12 years and above can be found at: https://www.memphischildrens.org/Asthma_Control-12-and-older.pdf

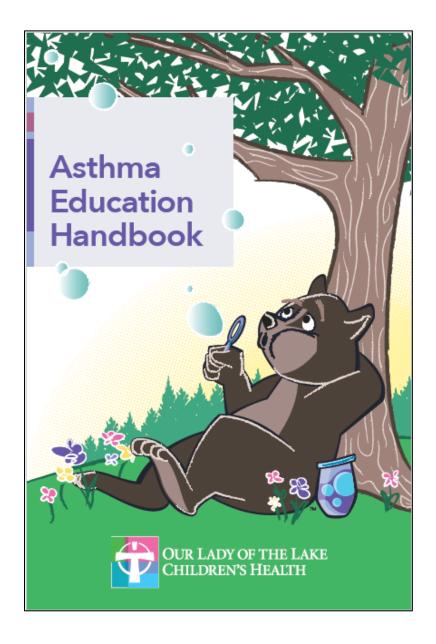
All BREATHE can also be accessed at www.ldh.la.gov/BREATHE.

APPENDIX 5

ASTHMA EDUCATIONAL HANDBOOK

The Asthma Education Handbook, developed by Our Lady of the Lake Children's Hospital, is available from the links below. Downloaded copies of the latest versions can be found in: \\\10.12.4.254\\NASShare\OPH\SEET\3-File Sharing Folder\EPA EJ grant\EDU Handouts or from www.ldh.la.gov/BREATHE.

- English: https://ololchildrens.org/assets/documents/2627-1-olol-ch-asthmaeducationhandbook-(1).pdf
- *Spanish*: <u>https://ololchildrens.org/assets/documents/es_2627-1-olol-ch-asthmaeducationhandbook.pdf</u>



APPENDIX 6

HOME CHARACTERISTICS AND ASTHMA TRIGGERS CHECKLIST

This document has been developed through a collaboration between the US Environmental Protection Agency, the US Centers for Disease Control and Prevention and the US Department of Housing and Urban Development, and is available from the links below:

- English: https://www.epa.gov/sites/production/files/2018-05/documents/asthma_home_environment_checklist.pdf
- Spanish: https://espanol.epa.gov/sites/production-es/files/2019-03/documents/home_assessment_checklist_spanish.pdf

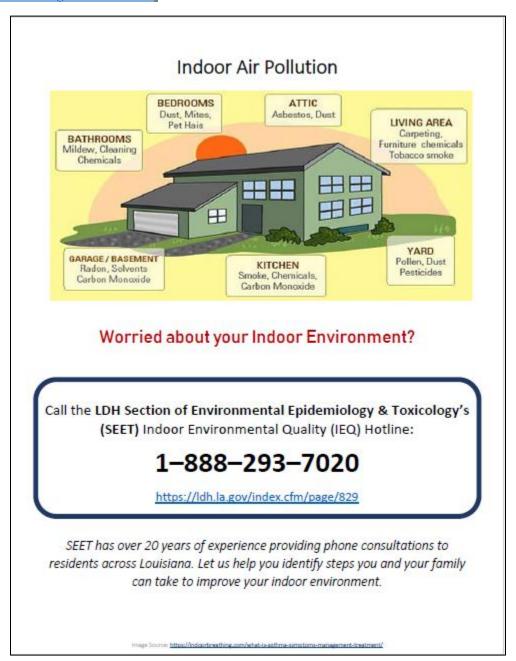
Downloaded copies of the latest versions can be found in: \\\10.12.4.254\NASShare\OPH\SEET\3-File Sharing Folder\EPA EJ grant\EDU Handouts or from www.ldh.la.gov/BREATHE.



APPENDIX 7

SEET CONTACT FOR INDOOR ENVIRONMENTAL CONCERNS

The latest version of this document from SEET can be found in: \\\10.12.4.254\\NASShare\\OPH\\SEET\\3-File Sharing Folder\\EPA EJ grant\\EDU Handouts or from www.ldh.la.gov/BREATHE.



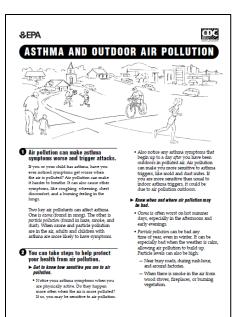
APPENDIX 8

OUTDOOR AIR QUALITY AND ASTHMA

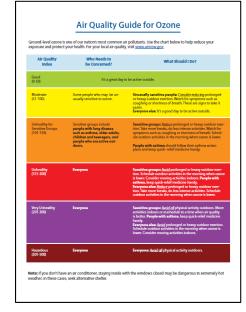
This handout has been compiled from various resources available from CDC and EPA.

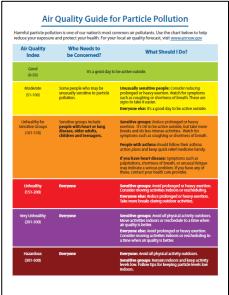
The latest version can be found in: $\label{lambda} 10.12.4.254\NASShare\OPH\SEET\3-File\Sharing Folder\EPA\ EJ\ grant\EDU\ Handouts\ or\ from\ www.ldh.la.gov/BREATHE.$

Spanish language publications on Outdoor Air Quality available from: https://www.airnow.gov/all-publications-en-espanol/









APPENDIX 9

ASTHMA-FRIENDLY CLEANING THAT WORKS FOR COVID-19

This handout has been compiled CDC resources available from: https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/asthma.html.

The latest version can be found in: $\label{lambda} 10.12.4.254\NASShare\OPH\SEET\3-File Sharing Folder\EPA EJ grant\EDU Handouts or from www.ldh.la.gov/BREATHE.$

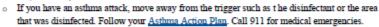
ASTHMA-FRIENDLY CLEANING METHODS THAT WORK FOR COVID-19!

Remember: Any disinfectant can trigger an asthma attack.

Here are a few key tips from CDC to reduce your chance of an asthma attack while disinfecting to prevent COVID-19.

If you have asthma:

- Ask an adult without asthma to clean and disinfect surfaces and objects for you.
- Stay in another room when cleaners or disinfectants are being used and right after their use.
- Use only cleaning products you must use. Some surfaces and objects that are seldom touched may need to be cleaned only with soap and water.





The person cleaning and disinfecting should:

- Follow recommendations for cleaning and disinfecting to prevent COVID-19.
- Choose disinfectants that are less likely to cause an asthma attack, using <u>EPA's list of autoroved</u> products such as:
 - products with hydrogen peroxide (no stronger than 3%) or ethanol (ethyl alcohol)
 - products that do NOT contain peroxyacetic acid or peracetic acid.
- Limit use of chemicals that can trigger asthma attacks, such as bleach (sodium hypochlorite) or quaternary ammonium compounds (e.g. benzalkonium chloride), and do not use them in enclosed spaces.



- Make sure there is enough air flow (ventilation).
- Use and store products safely and correctly. More information available from: https://www.epa.gov/sites/production/files/2020-04/documents/disinfectants-onepager.pd

You can access all of this information (and more!) from: https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/asthma.html

APPENDIX 10

ASTHMA EDUCATION CLASSES AT OLOLCH

The latest version can be found in: \\\10.12.4.254\\NASShare\\OPH\\SEET\\3-File Sharing Folder\\EPA EJ grant\\EDU Handouts or from www.ldh.la.gov/BREATHE.

Asthma Class During COVID

Thank you for choosing Our Lady of the Lake Children's Hospital. We want to assure you that we are taking every precaution to protect you, your child and our team members during the COVID-19 pandemic.

PRIOR TO ASTHMA CLASS

- Please schedule to attend an asthma class. The class is held every Wednesday at 12:30.
 Sign up on line or email Tracy.marquette@fmolhs.org
- Classes are limited to 10 people

DAY OF ASTHMA CLASS

Follow your doctor's instructions

- . Enter through the front entrance of the Children's Hospital at your scheduled time.
- Upon arrival you and your child will be screened.
- . You will be provided a mask if you do not have one. The mask must be worn at all times.
- Please limit attendance to 2 adults per child. Please do not bring siblings. We understand this can be challenging, but we are limiting attendance to ensure a safe environment.
- The class is 50 minutes long please consider age appropriateness. Children are not required to attend, but are welcomed.

COMMON AREAS

- · Waiting areas and the cafeteria are thoroughly disinfected regularly.
- Spaces have been configured to support social distance precautions and you should keep at least 6 feet between yourself and others.

We are implementing these new measures to keep you and your child safe and appreciate your patience and understanding. If you have any questions, please speak with your doctor's office or one of our team members.



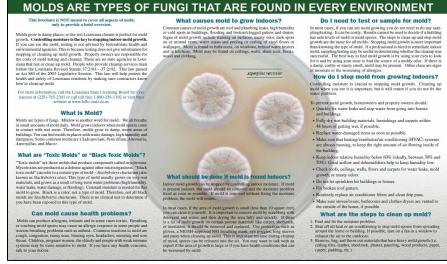
APPENDIX 11

MOLD: WHAT YOU SHOULD KNOW ABOUT YOUR HEALTH AND PROPERTY

This handout is available at the following links in the languages listed. Downloaded copies of the latest version can be found in: \\\10.12.4.254\\NASShare\\OPH\\SEET\\3-File Sharing Folder\\EPA\\
EJ grant\\EDU Handouts\\ or from \www.ldh.la.gov/BREATHE.\\

- English: https://ldh.la.gov/assets/oph/Center-EH/envepi/Indoor_Air/Documents/MoldBro_English.pdf
- Spanish: https://ldh.la.gov/assets/oph/Center-EH/envepi/Indoor_Air/Documents/MoldBro_Spnsh.pdf
- Creole: https://ldh.la.gov/assets/oph/Center-EH/envepi/Indoor_Air/Documents/MoldBro_Creole.pdf
- Vietnamese: https://ldh.la.gov/assets/oph/Center-EH/envepi/Indoor_Air/Documents/Mold_Vtnmse.pdf





APPENDIX 12

ALLERGIC RHINITIS OPTIONAL EDUCATIONAL HANDOUT

The latest version can be found in: $\label{lambda} 10.12.4.254\NASShare\OPH\SEET\3-File Sharing Folder\EPA EJ grant\EDU Handouts or from www.ldh.la.gov/BREATHE.$

Itchy, watery eyes? Runny or stuffy nose? Sneezing? Partner tired of your snoring?

It could be HAY FEVER! Also known as:

ALLERGIC RHINITIS

If you suffer from hay fever, you are among 1 in 5 adults, 1 in 10
teenagers and an estimated 1 in 20 children. Symptoms are
triggered by an "overactive" immume system to harmless triggers such as pollen, house dust mite,
mold, or animal dander. To get a proper diagnosis, you will need to visit your physician who will
consider your history, and physical and blood tests to check on specific allergen triggers.

Allergic Rhinitis comes in many forms.

- It may be intermittent (coming on occasionally and/or lasting less than a month in length) or persistent (bothering you most days of the week and/or lasting a month or longer).
- It may be mild not causing any troublesome symptoms that disrupt your daily life or it may
 be moderate-to-severe, where it impacts your daily life much more.

Regardless, allergic rhinitis may cause complications (such as with your <u>asthma</u>) and you should speak to a doctor about it.

They will able to suggest the best course of action for you to help your symptoms.

Home Remedies:

- . Using an air purifier to cut down on the level of allergens in your home
- · Avoiding exposure to smoke, chemicals, or strong odors that irritate your respiratory tract
- Ingesting Local honey may help with allergies (adults only! NOT SAFE FOR BABIES).
- Using a nasal rinse with boiled or distilled water (do NOT use tap water!)

Over-the-Counter options:

· Nasal steroid sprays and oral antihistamines (e.g.: Claritin, Allegra, Zyrtec)

Prescription Therapies: your doctor will be able to suggest what is appropriate for you

- · Prescription nasal or oral medications: e.g.: Astelin, Montelukast
- . Immunotherapy these drugs modulate your immune system to tackle your symptoms

APPENDIX 13

INTEGRATED PEST MANAGEMENT STRATEGIES (OPTIONAL)

The latest version can be found in: \\\10.12.4.254\\NASShare\\OPH\\SEET\\3-File Sharing Folder\\EPA EJ grant\\EDU Handouts or from www.ldh.la.gov/BREATHE.



APPENDIX 14

VIRTUAL HOME VISIT ASSESSMENT FORM

The latest version can be found in: \\\10.12.4.254\\NASShare\\OPH\\SEET\\3-File Sharing Folder\\EPA EJ grant\\Survey Questionnaire or from \www.ldh.la.gov/BREATHE.

APPENDIX 15

PROGRAM EVALUATION

The survey can be found in: \\\10.12.4.254\\NASShare\OPH\\SEET\\3-File Sharing Folder\\EPA EJ grant\\Survey Questionnaire or from \www.ldh.la.gov\BREATHE.