

ASTHMA MANAGEMENT

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WHAT IS ASTHMA?

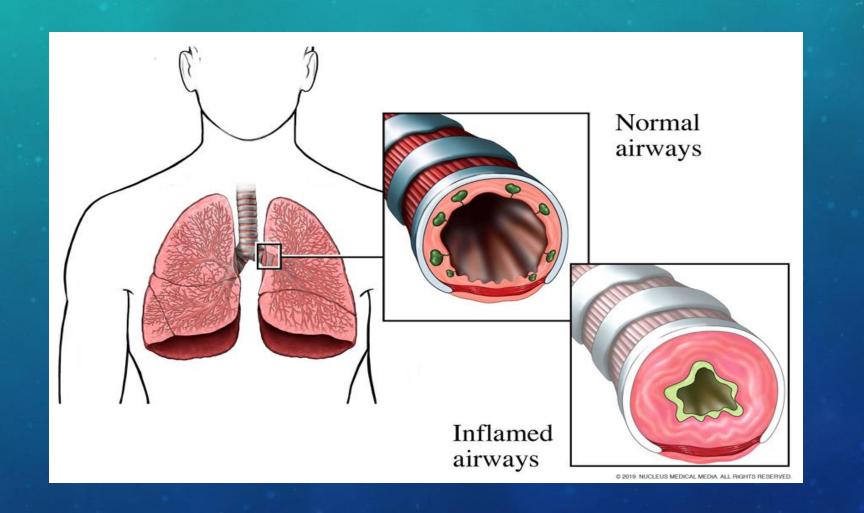
Chronic condition that affects the lungs that can cause:

- Cough—particularly nighttime or early morning
- Wheezing
- Chest Tightness or chest pain
- Difficulty breathing

Intermittent episodes of air flow obstruction that is partially or completely reversible by asthma treatments

• Episodes could occur daily, weekly or less often

ASTHMA VS NORMAL LUNGS



WHAT CAUSES ASTHMA

- Exact cause Unknown but can be triggered by a variety of factors, including:
 - Unknown
 - Environmental Allergens
 - Weather changes
 - Exercise
 - Viral Illnesses
 - Exposure to tobacco smoke
 - Stress
 - Family History/Genetics

ONSET

Usually demonstrate symptoms prior to age 5

Typically not diagnosed before age 3

DIAGNOSIS

- Medical History
- Physical Exam
- Diagnostic Testing
 - Spirometry
 - Allergy Testing

ASTHMA TREATMENT

ASTHMA TREATMENT

1

Avoiding trigers

2

Monitoring asthma symptoms and lung function

3

Understanding how and when to use medications

ASTHMA TRIGGERS

Identify

Avoid & Limit Exposure

- Pets
- Mold
- Dust mites
- Tobacco smoke –Needs to be completely eliminated
- Environmental Allergens
- Respiratory infections
- Seasonal weather changes
- Exercise

MONITORING ASTHMA SYMPOMS

- Asthma Questionnaires/Symptom diary
 - Asthma Control Test
- Lung function tests
- Routine Asthma Visits

ASTHMA DIARY

Date	Wheeze	Cough	Chest tightness	Shortness of breath	Sleep problems due to asthma symptoms	Asthma symptoms with physical activity	Quick-rellef medicine	Daily-controller medicine	Other medicine	Peak flow rate			te	Notes

Symptom severity key

Wheeze	None	0	Some	1	Medium	2	Severe	3
Cough	None	0	Occasional	1	Frequent	2	Continuous	3
Chest tightness	None	0	Some	1	Medium	2	Severe	3
Shortness of breath	None	0	Some	1	Frequent	2	Continuous	3
Sleep problems due to asthma	None	0	Occasional	1	Awake two to four times with wheeze or cough	2	Awake most of the night with asthma symptoms	3
Asthma symptoms with physical activity	None	0	Can be active for short time before symptoms occur	1	Can walk only	2	Missed school or work/ stayed indoors	3

PEAK FLOWS



ASTHMA CATEGORIES

Intermittent Asthma

- Symptoms of asthma occur no more than two times per week
- Asthma does not interfere with daily activities
- Nighttime awakenings from asthma no more than twice per month
- Asthma flares that require oral steroids no more than once per year

Persistent Asthma

- Mild, Moderate or Severe
- Severity Depends on number of days per week:
 - Symptoms, such as cough, wheeze or shortness of breath
 - Awakenings during the night due to cough or wheeze
 - Use of bronchodilator (Albuterol)
 - Symptoms that affect the child's ability to participate in normal activities
 - Number of asthma flares that require oral steroids in a year

EXERCISE-INDUCED ASTHMA

• Breathing problems during or after exercise

Diagnosed based on symptoms or with an exercise challenge test

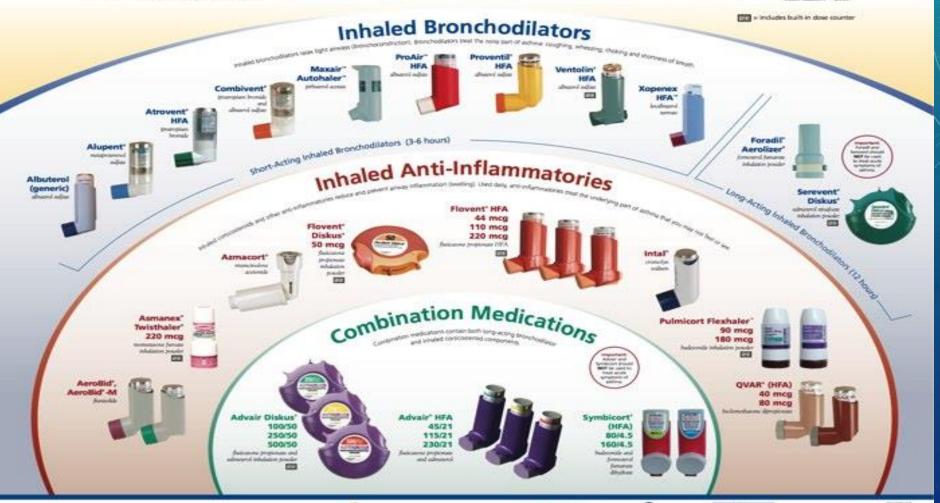
Should not avoid exercise

Take medications 10-20 minutes prior to exercise or activity

ASTHMA MEDICATIONS



Asthma Inhalers



















QUICK RELIEF MEDICATIONS

- ALWAYS have on hand
- Help Right Away
- Bronchodilators
 - Albuterol
 - ProAir
 - Ventolin
 - Respiclick
 - Proventil



CONTROLLER MEDICATIONS

Taken EVERY day

Dose and medications chosen depends on severity of asthma

CONTROLLER MEDICATIONS

Inhaled Corticosteroids (ICS)

- Fluticasone (Flovent)
- Beclomethasone (QVAR Redihaler)

Leukotriene Modifiers

Montelukast (Singulair)

Combination therapy with a Long-Acting Bronchodilater and Inhaled Corticosteroid (ICS)

- Advair
- Symbicort
- Dulera
- Breo Ellipta

Omalizumab

• Xolair

FORMS OF DELIVERY

Nebulizer



Inhalers

- Metered Dose Inhaler, Breath Actuated, Dry Powder
- Often used with a spacer
- Prime before use

ASTHMA MEDICATION OVERVIEW



Iggy and The Inhalers is for informational purposes only. The content is not intended to replace professional medical advice.

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HOW TO USE THE INHALER

GETTING THE INHALER READY

- Prime Inhaler
 - Take cap off
 - Shake for 5-10 seconds
 - Press down on the the canister to spray medication in the air away from face
 - Repeat 3 more times

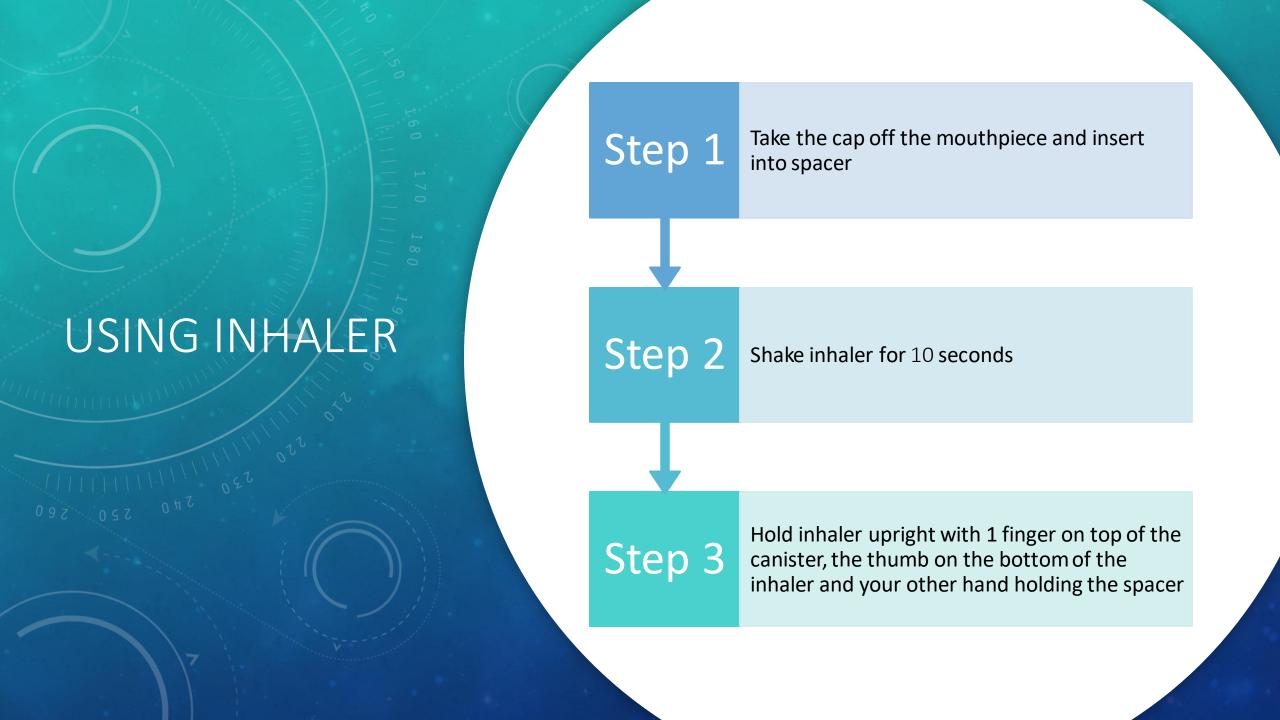
SPACERS

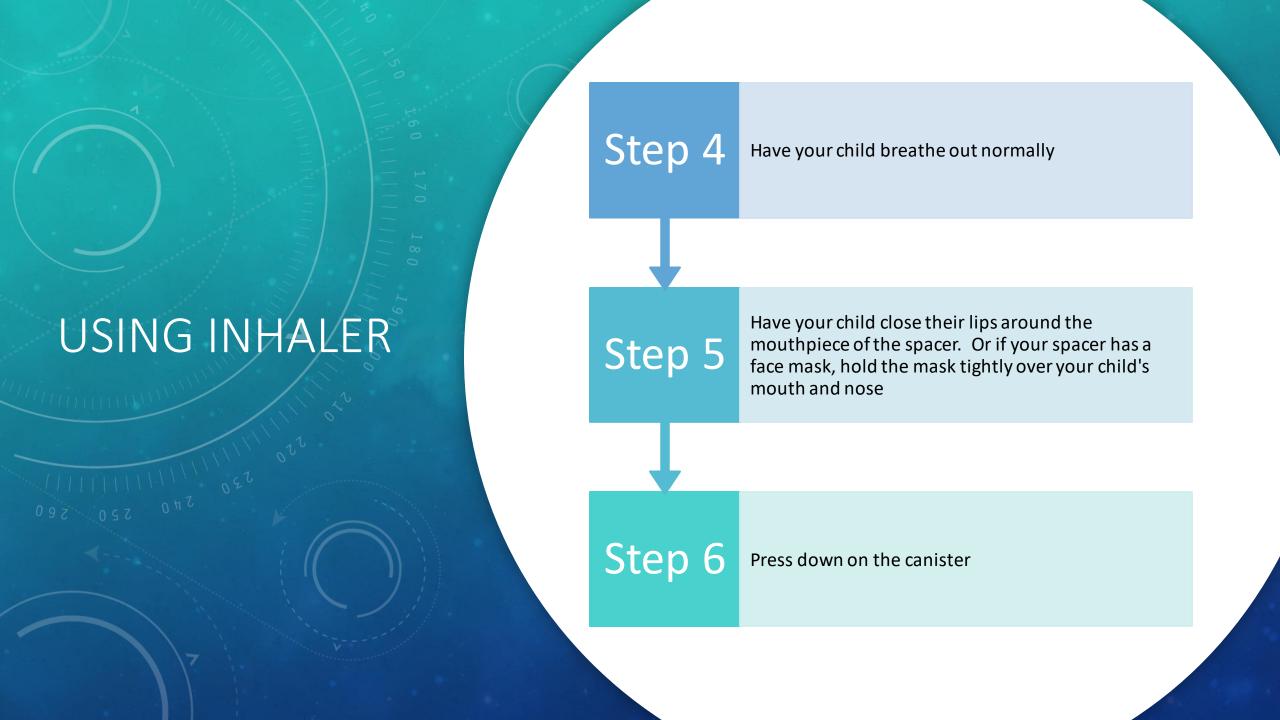
With mask



With mouthpiece









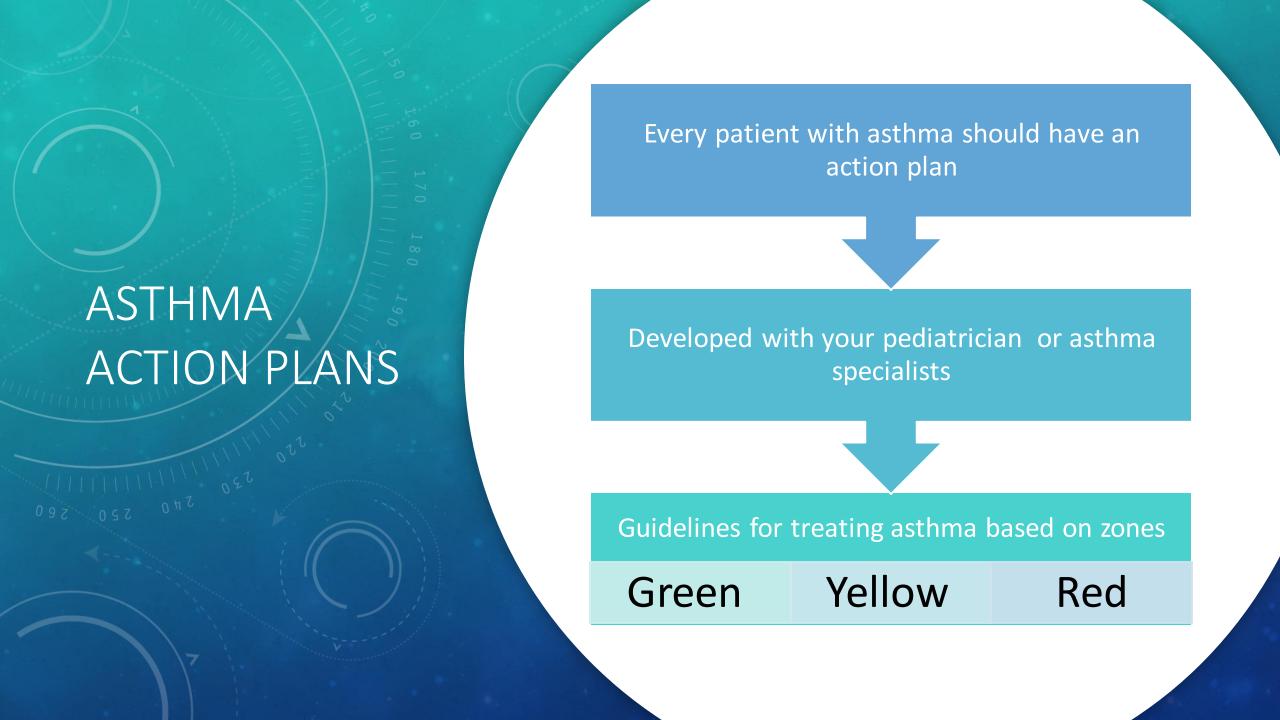
USING INHALER



OTHER TYPES OF INHALERS

- Breath Actuated Inhaler
 - Automatically release medication when you breathe in
- Dry Powder Inhalers

MANAGING ASTHMA



ASTHMA ACTION PLAN



Name:	Date:
Doctor:	Medical Record #:
Doctor's Phone #: Day	Night/Weekend
Emergency Contact:	
Doctor's Signature:	

The colors of a traffic light will help you use your asthma medicines.



GREEN means Go Zone! Use preventive medicine.

YELLOW means Caution Zone! Add quick-relief medicine.

RED means Danger Zone! Get help from a doctor.

Personal Best Peak Flow:_

GO		Use these daily controller medicines:								
You have all of these: • Breathing is good • No cough or wheeze • Sleep through the night • Can work & play • Can work & play		MEDICINE HOW MUCH HOW OFTEN/W For asthma with exercise, take:								
CAUTION		Continue with green zone medicine and add:								
You have any of these: First signs of a cold Exposure to known trigger Cough Mild wheeze Tight chest Coughing at night	Peak flow: from to	MEDICINE CALL YOUR ASTHMA CARE	HOW MUCH	HOW OFTEN/ WHEN						
DANGER		Take these medicines and call your doctor now.								
Your asthma is getting • Medicine is not helping • Breathing is hard & fast • Nose opens wide • Trouble speaking		MEDICINE	HOW MUCH	HOW OFTEN/WHEN						
· Ribs show (in children)										

GET HELP FROM A DOCTOR NOW! Your doctor will want to see you right away. It's important! If you cannot contact your doctor, go directly to the emergency room. **DO NOT WAIT.**

Make an appointment with your asthma care provider within two days of an ER visit or hospitalization.



RECOGNIZING A SEVERE ATTACK

- Shortness of breath
- Only able to speak in words, not able to speak in complete sentences
- Hunched forward
- Agitated, Tired or drowsy
- Unable to sleep or difficulty doing normal activities because of difficulty breathing
- Retractions
- Blueness around lips
- Peak flow rates <60% of normal

If you notice these symptoms, use emergency inhaler and get help or call 9-1-1 immediately!

MANAGING ASTHMA TIPS

- Always have emergency inhaler available
 - In date
 - Medication in inhaler
- Have asthma action plan
- Take medications as prescribed
- Teach your child about their triggers and how to avoid them
- Get a yearly influenza vaccine
- Have asthma visits at least every 6 months or at least every 3 months if on a controller medication
- Bring inhalers to all visits

