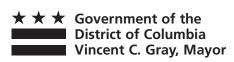
## **Asthma Action Plan**

	/ \5 CI			IGII					
Name	Date of Bir	th	Date / /			GREEN mea	ans Go!		
Health Care Provider	Provider's P	hone	, ,		ASK	Use CONTROL	medicine daily		
Parent/Responsible Person	Parent's Ph	one	School		45K	Add RESCUE m	eans Caution! edicine		
Additional Emergency Contact	Contact Pho	one	Last 4 Digits of SS#	7		<b>RED means</b> Get help from	EMERGENCY! a doctor <u>now!</u>		
Asthma Severity (see reverse si  ☐ Intermittent or Persistent: ☐ Mild ☐ Moderate ☐ See Asthma Control ☐ Well-controlled ☐ Needs better con	/ere ☐ Colds	s □ Smoke (to ng odors □ M s/emotions □	lentified (Things to bbacco, incense) □ old/moisture □ Pe Gastroesophageal ter, Spring, Summ	Pollen Dests (rodents, lareflux Desta	ust	als	Date of Last Flu Shot: //		
Green Zone: Go!-Take	these C	ONTROL	(PREVENTION	ON) Med	dicines I	EVERY [	Day		
You have ALL of these:  Breathing is easy  No cough or wheeze  Can work and play  Can sleep all night  Peak flow in this area: to	Inhaled cortice Inhaled cortice Inhaled cortice Leukotriene ar For asthm	osteroid or inhaled contagonist  a with exercise  g inhaled β-agonist		_ , puf -agonist , ne	f(s) MDI <b>with</b> bulizer treat _ by mouth	n spacer ment(s) once daily a	_ times a day _ times a day t bedtime		
Yellow Zone: Caution!–Continue CONTROL Medicines and ADD RESCUE Medicines									
You have ANY of these:  • First sign of a cold  • Cough or mild wheeze  • Tight chest  • Problems sleeping, working, or playing  Peak flow in this area: to_ (50%-80% of Personal Best)	OR Fast-acting inh	your DOCTO	puff(s) MDI w nebulizer trea R if you have the r if your rescue m	atment(s) eve	ery ho	ours as neede			
Red Zone: EMERGENC	Y!-Cont	inue COI	NTROL & RES	SCUE Me	edicines	and GE	T HELP!		
You have ANY of these:  Can't talk, eat, or walk well  Medicine is not helping Breathing hard and fast Blue lips and fingernails Tired or lethargic Ribs show	OR	aled β-agonist aled β-agonist  Cal	, puff(s) MDI w , nebulizer trea	atment <u>every</u> ile giving th	v 15 minutes, e treatmen	for <u>THREE</u> t			
Peak flow in this area:			ONTACT YOUR				nbulance		
Less than (Less than 50% of Personal Best)		or go	directly to the	Emergend	y Depart	ment!			
REQUIRED Healthcare Provider Signal Date:  REQUIRED Responsible Person Signal Date:  Follow up with primary doctor in 1 w	cure:	Possible side efficience Prov This studer This studer As the RESPONS I hereby au student. I hereby au	nt is capable and appront is <u>not</u> approved to se  IBLE PERSON:  Ithorize a trained school  Ithorize the student to	s (e.g., albuterol)  ved to self-admi elf-medicate.  ol employee, if a  possess and self	nister the med vailable, to add	ardia, tremor, a icine(s) named minister medica dication.	and nervousness. above. ation to the		
Phone:		☐ I hereby acknowledge that the District and its schools, employees and agents shall be immune from civil liability for acts or omissions under D.C. Law 17-107 except for criminal acts, intentional wrongdoing, gross negligence, or willful misconduct.							



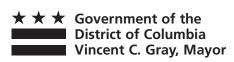
## **Asthma Action Plan**

	A5U	IIIIa <i>F</i>	ACCIOIT	Plan			
Name	Date of Birt	h	Date /	/	407	GREEN me	
Health Care Provider	Provider's P	hone			Aor		medicine daily
Parent/Responsible Person	Parent's Pho	one	School		ASE	Add RESCUE n	neans Caution
Additional Emergency Contact	Contact Pho	one	Last 4 Digits of	f SS#	464		a doctor now!
Asthma Severity (see reverse some severity or Persistent: ☐ Mild ☐ Moderate ☐ See Asthma Control ☐ Well-controlled ☐ Needs better co	☐ Colds ☐ Stron ☐ Stress	□ Smoke (t g odors □ M s/emotions □	obacco, incenso Iold/moisture [ ] Gastroesopha	e) □ Pollen □ □ Pests (rode Igeal reflux □	☐ Exercise	nals	Date of Last Flu Shot:
Green Zone: Go!-Take	e these C	ONTROL	(PREVEN	ITION) N	ledicines	EVERY I	Day
You have ALL of these:  Breathing is easy  No cough or wheeze  Can work and play  Can sleep all night  Peak flow in this area:  (More than 80% of Personal Best)  Personal best peak flow:	Inhaled cortico Inhaled cortico Inhaled cortico Leukotriene an For asthm	steroid or inhaled of steroid stagonist a with exercis	e, <u>ADD:</u>	ting β-agonist , take	after using you puff(s) MDI wit nebulizer trea by mouth spacer 15 minu	tment(s)	_ times a day _ times a day t bedtime
Yellow Zone: Caution	!–Continu	ie CONTI	ROL Medic	ines and	ADD RES	CUE Med	dicines
You have ANY of these:  • First sign of a cold  • Cough or mild wheeze  • Tight chest  • Problems sleeping, working, or playing  Peak flow in this area:	OR Fast-acting inha Other	aled β-agonist , -	nebulize R if you have	r treatment(s)	every h  every h  more than tw  doesn't work	ours as need	
Red Zone: EMERGENO	Y!-Cont	inue COI	NTROL &	RESCUE	Medicines	and GE	T HELP!
You have ANY of these:  Can't talk, eat, or walk well  Medicine is not helping Breathing hard and fast Blue lips and fingernails Tired or lethargic	Fast-acting inh  OR Fast-acting inh  Other	aled β–agonist	, nebulize	r treatment <u>e</u>	r <u>every 15 minuvery 15 minuter</u>	s, for THREE	
• Ribs show  Peak flow in this area:		CANNOT C	ONTACT YO	OUR DOCT	OR: Call 911	l for an a	mbulance
Less than (Less than 50% of Personal Best)					ency Depar		
REQUIRED Healthcare Provider Signa  Date:  REQUIRED Responsible Person Signa	iture:	Possible side eff Healthcare ProvThis studeThis stude As the RESPON: I hereby a student.	ects of rescue med rider Initials: nt is capable and a nt is not approved SIBLE PERSON: uthorize a trained	licines (e.g., albut approved to self- l to self-medicate school employee	e, if available, to ac	cardia, tremor, dicine(s) named	and nervousness. above.
Phone:	<ul> <li>☐ I hereby authorize the student to possess and self-administer medication.</li> <li>☐ I hereby acknowledge that the District and its schools, employees and agents shall be immune from civil liability for acts or omissions under D.C. Law 17-107 except for criminal acts, intentional wrongdoing, gross negligence, or willful misconduct.</li> </ul>						



## **Asthma Action Plan**

	A5U	IIIIa <i>F</i>	ACCIOIT	Plan			
Name	Date of Birt	h	Date /	/	407	GREEN me	
Health Care Provider	Provider's P	hone			Aor		medicine daily
Parent/Responsible Person	Parent's Pho	one	School		ASE	Add RESCUE n	neans Caution
Additional Emergency Contact	Contact Pho	one	Last 4 Digits of	f SS#	464		a doctor now!
Asthma Severity (see reverse some severity or Persistent: ☐ Mild ☐ Moderate ☐ See Asthma Control ☐ Well-controlled ☐ Needs better co	☐ Colds ☐ Stron ☐ Stress	□ Smoke (t g odors □ M s/emotions □	obacco, incenso Iold/moisture [ ] Gastroesopha	e) □ Pollen □ □ Pests (rode Igeal reflux □	☐ Exercise	nals	Date of Last Flu Shot:
Green Zone: Go!-Take	e these C	ONTROL	(PREVEN	ITION) N	ledicines	EVERY I	Day
You have ALL of these:  Breathing is easy  No cough or wheeze  Can work and play  Can sleep all night  Peak flow in this area:  (More than 80% of Personal Best)  Personal best peak flow:	Inhaled cortico Inhaled cortico Inhaled cortico Leukotriene an For asthm	steroid or inhaled of steroid stagonist a with exercis	e, <u>ADD:</u>	ting β-agonist , take	after using you puff(s) MDI wit nebulizer trea by mouth spacer 15 minu	tment(s)	_ times a day _ times a day t bedtime
Yellow Zone: Caution	!–Continu	ie CONTI	ROL Medic	ines and	ADD RES	CUE Med	dicines
You have ANY of these:  • First sign of a cold  • Cough or mild wheeze  • Tight chest  • Problems sleeping, working, or playing  Peak flow in this area:	OR Fast-acting inha Other	aled β-agonist , -	nebulize R if you have	r treatment(s)	every h  every h  more than tw  doesn't work	ours as need	
Red Zone: EMERGENO	Y!-Cont	inue COI	NTROL &	RESCUE	Medicines	and GE	T HELP!
You have ANY of these:  Can't talk, eat, or walk well  Medicine is not helping Breathing hard and fast Blue lips and fingernails Tired or lethargic	Fast-acting inh  OR Fast-acting inh  Other	aled β–agonist	, nebulize	r treatment <u>e</u>	r <u>every 15 minuvery 15 minuter</u> the treatmen	s, for THREE	
• Ribs show  Peak flow in this area:		CANNOT C	ONTACT YO	OUR DOCT	OR: Call 911	l for an a	mbulance
Less than (Less than 50% of Personal Best)					ency Depar		
REQUIRED Healthcare Provider Signa  Date:  REQUIRED Responsible Person Signa	iture:	Possible side eff Healthcare ProvThis studeThis stude As the RESPON: I hereby a student.	ects of rescue med rider Initials: nt is capable and a nt is not approved SIBLE PERSON: uthorize a trained	licines (e.g., albut approved to self- l to self-medicate school employee	e, if available, to ac	cardia, tremor, dicine(s) named	and nervousness. above.
Phone:	<ul> <li>☐ I hereby authorize the student to possess and self-administer medication.</li> <li>☐ I hereby acknowledge that the District and its schools, employees and agents shall be immune from civil liability for acts or omissions under D.C. Law 17-107 except for criminal acts, intentional wrongdoing, gross negligence, or willful misconduct.</li> </ul>						



## Stepwise Approach for Managing Asthma in Children and Adults (from 2007 NAEPP Guidelines)

			IMPAIR	MENT			RISK	
Criteria apply to all ages unless otherwise indicated	Daytime Symptoms		ttime enings ≥5 years	Interference with normal activity	Short- acting beta- agonist use	FEV <sub>1</sub> % predicted (n/a in age <5)	Exacerbations requiring oral systemic corticosteroids	
Classification of Asthma SEVERITY: TO DETERMINE INITIATION OF LONG-TERM CONTROL THERAPY Consider severity and interval since last exacerbation when assessing risk.							Step	
Severe Persistent	Throughout the day	>1x/week	Often 7x/week	Extremely limited	Several x/ day	<60%	<5: ≥2 in 6 months OR ≥4 wheezing episodes in 1 year lasting >1	<5: Step 3 5-11: Step 3 Medium-dose ICS option or Step 4 12-adult: Step 4 or 5 All ages: Consider short course OCS
Moderate Persistent	Daily	3-4x/ month	>1x/week but not nightly	Some	Daily	60-80%	day AND risk factors for per- sistent asthma	<5: Step 3 5-11: Step 3 Medium-dose ICS option 12-adult: Step 3 All ages: Consider short course OCS
Mild Persistent	>2 days/ week but not daily	1-2x/ month	3-4x/ month	Minor	>2 days/ week but not daily	>80%	<b>5-adult:</b> ≥2/year	Step 2
Intermittent	≤2 days/week	0	≤2x/ month	None	≤2 days/ week	>80%	0-1/year	Step 1

Classification of Consider severity	<b>Action:</b> In children <5, consider alternate diagnosis or adjusting therapy if no benefit seen in 4-6 weeks.							
Very Poorly Controlled	Throughout the day	≥2x/week	≥4x/week	Extremely limited	Several times/day	<60%	<5: >3/year  5-adult: ≥2/year	Step up 1-2 steps. Consider short course OCS. Reevaluate in 2 weeks. For side effects, consider alternate treatment.
Not Well Controlled	>2 days/ week	≥2x/ month	1-3x/week	Some	>2 days/ week	60-80%	<5: 2-3/year  5-adult: ≥2/year	Step up at least 1 step. Reevaluate in 2-6 weeks. For side effects, consider alternate treatment.
Well Controlled	≤2 days/ week	≤1x/ month	≤2x/ month	None	≤2 days/ week	>80%	0-1/year	Maintain current treatment. Follow-up every 1-6 months. Consider step down if well controlled for at least 3 months.

Daily Doses of common inhaled corticosteroids	Low	Fluticason MDI (mcg) Medium	<b>e</b> High	_	<b>Budesoni</b> Respules (m Medium	ıg)	<b>Be</b> Low	clomethas MDI (mcg) Medium	<b>one</b> High	Fluticasone/ Salmeterol DPI	Budesonide/ Formoterol MDI
<5 years	176	>176-352	>352	0.25-0.5	>0.5-1	>1	n/a	n/a	n/a	n/a	n/a
5-11 years	88-176	>176-352	>352	0.5	1	2	80-160	>160-320	>320	100/50 mcg 1 inhalation BID	80 mcg/4.5 mcg 2 puffs BID
12 years-adult	88-264	>264-440	>440	n/a	n/a	n/a	80-240	>240-480	>480	Dose depends on patient	Dose depends on patient

SABA: Short-acting beta-agonist LABA: Long-acting beta-agonist LTRA: Leukotriene-receptor antagonist

ICS: Inhaled corticosteroids LD-ICS: Low-dose ICS MD-ICS: Medium-dose ICS HD-ICS: High-dose ICS OCS: Oral corticosteroids

CRM: Cromolyn NCM: Nedocromil THE: Theophylline MLK: Montelukast ALT: Alternative

Step 1

SABA prn

**Preferred** 

Step 2

**Preferred** LD-ICS <u>Alternative</u>

<5: CRM or MLK 5-adult: CRM,

LTRA, NCM, or THE

Step 3

**Preferred** <5: MD-ICS

5-11: EITHER LD-ICS plus LABA, LTRA or THE OR MD-ICS

12-adult: LD-ICS plus LABA **OR** MD-ICS

<u>Alternative</u>

12-adult: LD-ICS plus either LTRA, THE or Zileuton

Step 4

**Preferred** <5: Medium-dose ICS

plus either LABA or MLK

5-adult: MD-ICS plus LABA

<u>Alternative</u>

5-11: MD-ICS plus either LTRA or THE

**12-adult:** MD-ICS *plus* either LTRA, THE or Zileuton

Step 5

**Preferred** <5: HD-ICS plus either LABA or MLK

5-11: HD-ICS plus LABA

High-dose ICS plus LABA AND consider Omalizumab for patients who have allergies

<u>Alternative</u>

5-11: HD-ICS plus either LTRA or THE

Step 6

**Preferred** 

<5: HD-ICS plus either LABA or MLK plus OCS

**5-11:** HD-ICS plus LABA plus OCS

12-adult:

HD-ICS plus LABA plus OCS AND consider Omalizumab for patients who have allergies

<u>Alternative</u>

5-11: HD-ICS plus either LTRA or THE plus OCS

-Step down if possible (asthma well-controlled at least 3 months)/Step up if needed (check adherence, technique, environment, co-morbidities)