The Children's Anti-inflammatory REliever (CARE) study: a protocol for a randomised controlled trial of budesonide-formoterol as sole reliever therapy in children with mild asthma

Supplementary material

Asthma action plans and logbooks

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Figure S1: Budesonide-formoterol (Symbicort Rapihaler®): Step 1



 Name:
 Date of plan:

 GP:
 GP phone:

ASTHMA ACTION PLAN | SYMBICORT

Know your asthma symptoms

Your asthma is under control when...

- You do not have asthma symptoms most days (wheeze, tight chest, cough, or find it hard to breathe)
- You can play just like other children
- · Most days you do not need your Symbicort

Know when and how to take your puffers

Remember...

- Take 2 puffs of your Symbicort through a spacer when you wheeze, cough, or find it hard to breathe
- Take 2 puffs of your Symbicort through a spacer if you find it hard to breathe when you exercise or play

Getting worse

Your asthma is getting worse when...

- · You coughing or wheezing more
- · OR you wake up at night because of your asthma
- OR You are using more than 6 puffs a day, for one week

Let's take action...

- You need to see your doctor within the next week to change the way you use your puffer
- Take 2 puffs of your Symbicort through a spacer as often as needed to relieve symptoms

Feeling worried confidence of the confidence of

Your asthma is a worry when...

- · You are breathing fast or find it hard to breathe
- OR your Symbicort is only helping for 2-3 hours
- **OR** you are using more than 12 puffs of Symbicort a day
- OR you feel you need to see your doctor

Your asthma is an emergency when...

Let's get help...

- You need to go to the hospital or see your doctor today
- Take 2 puffs of your Symbicort through a spacer as often as needed to relieve symptoms

Let's keep calm...

- Your symptoms are getting more severe quickly
- OR you are finding it hard to speak or breathe
- · OR you look pale or blue
- · OR your Symbicort is not helping
- OR you are using your Symbicort every 1-2 hours
- OR you are using more than 16 puffs a day

Distant -----

- Dial 111 for an ambulance and tell them you're having a severe asthma attack
- Sit upright and try to stay calm
- Take 2 puffs of Symbicort through a spacer, taking 6 breaths for each puff, as often as needed until help arrives
- Even if you seem to get better, seek medical help right away

Know your puffers

- The name of your puffer is Symbicort. The colour is red
- You take this puffer only when you need it
- You should carry your Symbicort with you at all times
- You should always use a spacer with your Symbicort and take 6 breaths for each puff

Next appointr	nent dates
Visit 2	
Visit 3	
Visit 4	
Visit 5	
Study contact	
Name	
Email	

Medical help

Study details

If you need medical help for your asthma, please contact your GP, After Hours service, or 111 as appropriate. This is important to make sure you get treated quickly.

When using a metered dose inhaler (MDI), a spacer will help get the right dose of medicine into your lungs. Remember not to share your spacer with anyone else



- 1. Hold the inhaler upright and give it a good shake
- 2. Fit the inhaler into the opening at the end of the spacer
- 3. Seal lips firmly around the mouth piece, and press the inhaler once only
- 4. Take 6 slow breaths in and out through your mouth. Do not remove the spacer from your mouth between breaths
- 5. Remove the spacer from your mouth
- 6. Repeat steps 1-4 for further doses
- 7. Rinse your mouth with water or brush your teeth after using your Symbicort puffer









Washing your spacer

Wash your spacer once a week with warm water and dishwashing liquid.

Leave to drip dry (do not rinse). This will ensure that your medicine gets into your lungs and does not stick to the sides of the spacer

Since your last visit...

Have you taken any days off school or work due to asthma?

Start date	End date	How many days?	Did someone take time off work due to your asthma?	How many people took time off work due to your asthma? Who were they?	How many days did each person take off work?
e.g. 16/09/2020	e.g. 18/09/2020	e.g. 3	e.g. Yes	e.g. 2 - me and mum	e.g. Me 2 days, Mum 1 day

Have you started any new medication (other than prednisone) **OR** changed any existing medication?

Medication started/changed	Dose	How many times a day?	How long for?	Date started/ changed	Date stopped	Reason for medication
e.g. Amoxicillin	e.g. 500mg	e.g. 3	e.g. 5 days	e.g. 15/09/2020	e.g. 20/09/2020	e.g. Sore throat

9/2020 e.g. 19/09/2020 e.g. Admitted

Figure S2: Budesonide-formoterol (Symbicort Rapihaler®): Steps 2 and 3



Date of plan: GP phone:

ASTHMA ACTION PLAN | SYMBICORT

Know your asthma symptoms

Know when and how to take your puffers

The name of your puffer is Symbicort. The colour is red

Know your puffers

puffs(s) every morning Preventer and Your Symbicort is both a preventer puff(s) every night and a reliever puffer

puffs when needed You take this everyday even when you are well, and when you need it to relieve symptoms

Study details

- You should carry your Symbicort with you at all times
- You should always use a spacer with your Symbicort

Your asthma is under control when...

- You do not have asthma symptoms most days (wheeze, tight chest, cough, or find it hard to breathe)
- · You can play just like other children
- Most davs you do not need your Symbicort

Your asthma is getting worse when...

· You coughing or wheezing more

Let's take action...

Remember...

reliever:

Symbicort

- · You need to see your doctor within the next week to change the way you use your puffer
- · Take 2 puffs of your Symbicort through a spacer as often as needed to relieve symptoms

Your asthma is a worry when...

You are breathing fast or find it hard to breathe

· OR you wake up at night because of your asthma

• OR You are using more than 6 puffs a day, for one

- OR your Symbicort is only helping for 2-3 hours
- OR you are using more than 12 puffs of Symbicort a day
- **OR** you feel you need to see your doctor
- · You need to go to the hospital or see your doctor today
- · Take 2 puffs of your Symbicort through a spacer as often as needed to relieve

symptoms

Let's get help...

Your asthma is an emergency when...

- · Your symptoms are getting more severe quickly
- **OR** you are finding it hard to speak or breathe
- OR you look pale or blue
- OR your Symbicort is not helping
- OR you are using your Symbicort every 1-2 hours
- OR you are using more than 16 puffs a day

Let's keep calm...

- · Dial 111 for an ambulance and tell them you're having a severe asthma attack
- · Sit upright and try to stay calm
- · Take 2 puffs of Symbicort through a spacer, taking 6 breaths for each puff, as often as needed until help arrives
- · Even if you seem to get better, seek medical help right away

Next appointment dates Visit 2 _____ Visit 3 _____ Visit 4 Visit 5 Study contact Email ____

Medical help

If you need medical help for your asthma, please contact your GP, After Hours service, or 111 as appropriate. This is important to make sure you get treated quickly.



When using a metered dose inhaler (MDI), a spacer will help get the right dose of medicine into your lungs. Remember not to share your spacer with anyone else



- 1. Hold the inhaler upright and give it a good shake
- 2. Fit the inhaler into the opening at the end of the spacer
- 3. Seal lips firmly around the mouth piece, and press the inhaler once only
- 4. Take 6 slow breaths in and out through your mouth. Do not remove the spacer from your mouth between breaths
- 5. Remove the spacer from your mouth
- 6. Repeat steps 1-4 for further doses
- 7. Rinse your mouth with water or brush your teeth after using your Symbicort puffer





Washing your spacer

Wash your spacer once a week with warm water and dishwashing liquid.

Leave to drip dry (do not rinse). This will ensure that your medicine gets into your lungs and does not stick to the sides of the spacer

Since your last visit...

Have you taken any days off school or work due to asthma?

Start date	End date	How many days?	Did someone take time off work due to your asthma?	How many people took time off work due to your asthma? Who were they?	How many days did each person take off work?
e.g. 16/09/2020	e.g. 18/09/2020	e.g. 3	e.g. Yes	e.g. 2 - me and mum	e.g. Me 2 days, Mum 1 day

Have you started any new medication (other than prednisone) **OR** changed any existing medication?

Medication started/changed	Dose	How many times a day?	How long for?	Date started/ changed	Date stopped	Reason for medication
e.g. Amoxicillin	e.g. 500mg	e.g. 3	e.g. 5 days	e.g. 15/09/2020	e.g. 20/09/2020	e.g. Sore throat

Date	Type of visit	Was prednisone given?	Dose of Prednisone	How long for?	Start date	Stop date	Comments
e.g. 15/09/2020	e.g. ED visit	e.g. Yes	e.g. 40mg	e.g. 4 days	e.g. 15/09/2020	e.g. 19/09/2020	e.g. Admitted



Date of plan: Name: GP phone: GP:

ASTHMA ACTION PLAN | VENTOLIN

Know your asthma symptoms

Remember...

Know when and how to take your puffers

• Take 2 puffs of your Ventolin through a

• Take 2 puffs of your Ventolin through a

spacer when you wheeze, cough, or find it

spacer if you find it hard to breathe when you

• The name of your reliever puffer is Ventolin. The colour is blue

Know your puffers

- You take this puffer only when you need it
- You should carry your Ventolin with you at all times
- · You should always use a spacer with your Ventolin and take 6 breaths for each puff

Your asthma is under control when...

· You do not have asthma symptoms most days (wheeze, tight chest, cough, or find it hard to

breathe) · You can play just like other children

Your asthma is getting worse when...

· Most days you do not need your Ventolin

Let's take action...

exercise or play

hard to breathe

- You need to see your doctor within the next week to add a preventer puffer
- Take 2 puffs of your Ventolin through a spacer as often as needed to relieve symptoms



· You coughing or wheezing more

You are breathing fast or find it hard to breathe

OR you wake up at night because of your asthma

• OR You are using more than 6 puffs a day, for one

- OR your Ventolin is only helping for 2-3 hours
- **OR** you are using more than 12 puffs of Ventolin
- **OR** you feel you need to see your doctor

Let's get help...

- · You need to go to the hospital or see your doctor today
- Take 2 puffs of your Ventolin through a spacer as often as needed to relieve symptoms

Your asthma is a worry when...

week

Let's keep calm...

- · Dial 111 for an ambulance and tell them you're having a severe asthma attack
- · Sit upright and try to stay calm
- Take 6 puffs of Ventolin through a spacer every 6 minutes with 6 breaths for each puff until help arrives
- · Even if you seem to get better, seek medical help right away



Your asthma is an emergency when...

- Your symptoms are getting more severe quickly
- OR you are finding it hard to speak or breathe
- · OR you look pale or blue
- OR your Ventolin is not helping
- OR you are using your Ventolin every 1-2 hours
- OR you are using more than 16 puffs a day

Study details

Next appointment dates	
Visit 2	

Visit 3			

Visit 4			
Visit 5			

Study contact

Name _			
Phone _			
Email			

Medical help

If you need medical help for your asthma, please contact your GP, After Hours service, or 111 as appropriate. This is important to make sure you get treated quickly.

When using a metered dose inhaler (MDI), a spacer will help get the right dose of medicine into your lungs. Remember not to share your spacer with anyone else



- 1. Hold the inhaler upright and give it a good shake
- 2. Fit the inhaler into the opening at the end of the spacer
- 3. Seal lips firmly around the mouth piece, and press the inhaler once only
- 4. Take 6 slow breaths in and out through your mouth. Do not remove the spacer from your mouth between breaths
- 5. Remove the spacer from your mouth
- 6. Repeat steps 1-4 for further doses







Washing your spacer

Wash your spacer once a week with warm water and dishwashing liquid.

Leave to drip dry (do not rinse). This will ensure that your medicine gets into your lungs and does not stick to the sides of the spacer

Since your last visit...

Have you taken any days off school or work due to asthma?

Start date	End date	How many days?	Did someone take time off work due to your asthma?	How many people took time off work due to your asthma? Who were they?	How many days did each person take off work?
e.g. 16/09/2020	e.g. 18/09/2020	e.g. 3	e.g. Yes	e.g. 2 - me and mum	e.g. Me 2 days, Mum 1 day

Have you started any new medication (other than prednisone) **OR** changed any existing medication?

Medication started/changed	Dose	How many times a day?	How long for?	Date started/ changed	Date stopped	Reason for medication
e.g. Amoxicillin	e.g. 500mg	e.g. 3	e.g. 5 days	e.g. 15/09/2020	e.g. 20/09/2020	e.g. Sore throat

Date	Type of visit	Was prednisone given?	Dose of Prednisone	How long for?	Start date	Stop date	Comments
e.g. 15/09/2020	e.g. ED visit	e.g. Yes	e.g. 40mg	e.g. 4 days	e.g. 15/09/2020	e.g. 19/09/2020	e.g. Admitted



Name: Date of plan:

GP: GP phone:

ASTHMA ACTION PLAN | VENTOLIN

Know your asthma symptoms

Know when and how to take your puffers Your inhalers are...

Know your puffers • Preventer: You take this everyday

Feeling well

Your asthma is under control when...

- You do not have asthma symptoms most days (wheeze, tight chest, cough, or find it hard to breathe)
- · You can play just like other children
- · Most days you do not need your Ventolin

Preventer:	puffs(s) every morning
	puff(s) every night
Reliever: Ventolin	puffs when needed to relieve symptoms

and worse

Your asthma is getting worse when...

- · You coughing or wheezing more
- · OR you wake up at night because of your asthma
- OR You are using more than 6 puffs a day, for one week

Let's take action...

- You need to see your doctor within the next week to change your preventer puffer
- Take 2 puffs of your Ventolin through a spacer as often as needed to relieve symptoms

Feeling worried

Your asthma is a worry when...

- You are breathing fast or find it hard to breathe
- **OR** your Ventolin is only helping for 2-3 hours
- OR you are using more than 12 puffs of Ventolin a day
- OR you feel you need to see your doctor

Let's get help...

- You need to go to the hospital or see your doctor today
- Take 2 puffs of your Ventolin through a spacer as often as needed to relieve symptoms

Cough .

Your asthma is an emergency when...

- · Your symptoms are getting more severe quickly
- OR you are finding it hard to speak or breathe
- · OR you look pale or blue
- OR your Ventolin is not helping
- OR you are using your Ventolin every 1-2 hours
- OR you are using more than 16 puffs a day

Let's keep calm...

- Dial 111 for an ambulance and tell them you're having a severe asthma attack
- · Sit upright and try to stay calm
- Take 6 puffs of Ventolin through a spacer every 6 minutes with 6 breaths for each puff until help arrives
- Even if you seem to get better, seek medical help right away

	your preventer is The colour is
•	Reliever: You take this only when you need it. The name of your reliever is Ventolin . The colour is blue
•	You should carry your Ventolin with you at all times
	You should always use a spacer with

even when you're well. The name of

Study details

your puffers

Nevt	anı	noin	tme	nt	dates
IACVE	apı	JUILI	tille		uates

Visit 2	ē -		
Visit 3			

Visit 5

Visit 4

Study contact

Name _	
Phone _	
Email _	

Medical help

If you need medical help for your asthma, please contact your GP, After Hours service, or 111 as appropriate. This is important to make sure you get treated quickly.

When using a metered dose inhaler (MDI), a spacer will help get the right dose of medicine into your lungs.
Remember not to share your spacer with anyone else



- 1. Hold the inhaler upright and give it a good shake
- 2. Fit the inhaler into the opening at the end of the spacer
- 3. Seal lips firmly around the mouth piece, and press the inhaler once only
- 4. Take 6 slow breaths in and out through your mouth. Do not remove the spacer from your mouth between breaths
- 5. Remove the spacer from your mouth
- 6. Repeat steps 1-4 for further doses
- 7. Rinse your mouth with water or brush your teeth after using your preventer puffer





Washing your spacer

Wash your spacer once a week with warm water and dishwashing liquid.

Leave to drip dry (do not rinse). This will ensure that your medicine gets into your lungs and does not stick to the sides of the spacer

Since your last visit...

Have you taken any days off school or work due to asthma?

Start date	End date	How many days?	Did someone take time off work due to your asthma?	How many people took time off work due to your asthma? Who were they?	How many days did each person take off work?
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Date	Type of visit	Was prednisone given?	Dose of Prednisone	How long for?	Start date	Stop date	Comments
e.g. 15/09/2020	e.g. ED visit	e.g. Yes	e.g. 40mg	e.g. 4 days	e.g. 15/09/2020	e.g. 19/09/2020	e.g. Admitted