DESCRIPTION OF ASTHMA CONTROL FEATURES

Night-time symptoms

Children with asthma may experience night-time symptoms, such as coughing, rapid breathing, shortness of breath or other symptoms that cause sleep disruption. Your child's night-time symptoms may be:

- None
- 3 days per week
- 5 days per week

Wheezing or tightening of chest

How often a child experiences wheezing or tightening of the chest at any time varies from child to child. Your child may experience:

- No chest tightening or wheezing
- Chest tightening or wheezing but it is manageable (does not worsen)
- Chest tightening or wheezing and is bothersome (may worsen)

Changing medication

When asthma symptoms worsen your child may have to make a change to his or her regular asthma medication. Depending on the severity of asthma symptoms, your child may need:

- No changes to medication
- More doses or to add on another asthma medication

- To add oral steroids for 5 days

Emergency visits

The number of asthma attacks your child experiences can vary depending on the severity of asthma and on how well asthma is being managed. Sometimes the exacerbation may be out of your control and you would need to take your child to the Emergency room at the hospital. Your child may experience:

- No Emergency room visits
- 1 Emergency room visit per year
- 4 Emergency room visits per year
- 10 Emergency room visits per year

Participation in physical activities

Your child's asthma may get worse during physical activities such as running, playing sports or during dance class. Your child might have to stop in the middle of a physical activity to get his or her breathing back to normal. How often a child is unable to continue with a physical activity after a flare up varies from child to child. Your child may experience:

- No physical activity limitations
- 2 limitations per month
- 10 limitations per month

BALANCED INCOMPLETE BLOCK DESIGN INSTRUMENT

Considering the following choices of attributes and their levels, please indicate which one you consider as the **most preferred (best)** and which one you consider as the **least preferred (worst)** attribute in asthma control.

Best		Worst
	Night-time symptoms: 3 days per week	
	Wheezing or tightening of chest: No chest tightening or wheezing	
	Wheezing or tightening of chest: Can be felt and is manageable (does not worsen)	
	Changing medication: No changes to medication	
	Emergency visits: 1 Emergency room visits per year	
	Limitation of physical activities: 10 limitations per month	

Best		Worst
	Night-time symptoms: None	
	Night-time symptoms: 5 days per week	
	Wheezing or tightening of chest: No chest tightening or wheezing	
	Changing medication: No changes to medication	
	Emergency visits: 4 Emergency room visits per year	
	Emergency visits: 10 Emergency room visits per year	

Best		Worst
	Night-time symptoms: 3 days per week	
	Wheezing or tightening of chest: No chest tightening or wheezing	
	Changing medication: More doses or to add on another asthma medication	
	Emergency visits: None	
	Emergency visits: 10 Emergency room visits per year	
	Limitation of physical activities: 2 limitations per month	

Best		Worst
	Night-time symptoms: None	
	Night-time symptoms: 5 days per week	
	Wheezing or tightening of chest: Can be felt and is manageable (does not worsen)	
	Changing medication: More doses or to add on another asthma medication	
	Emergency visits: 1 Emergency room visits per year	
	Limitation of physical activities: 2 limitations per month	

Best		Worst
	Night-time symptoms: None	
	Wheezing or tightening of chest: No chest tightening or wheezing	
	Wheezing or tightening of chest: Can be felt and is bothersome (may worsen)	
	Emergency visits: None	
	Emergency visits: 1 Emergency room visits per year	
	<u>Limitation of physical activities:</u> None	

Best		Worst
	Night-time symptoms: 3 days per week	
	Night-time symptoms: 5 days per week	
	Wheezing or tightening of chest: Can be felt and is manageable (does not worsen)	
	Emergency visits: None	
	Emergency visits: 4 Emergency room visits per year	
	Limitation of physical activities: None	

Best		Worst
	Night-time symptoms: 3 days per week	
	Night-time symptoms: 5 days per week	
	Wheezing or tightening of chest: Can be felt and is bothersome (may worsen)	
	Changing medication: To add oral steroids for 5 days	
	Emergency visits: 1 Emergency room visits per year	
	Emergency visits: 10 Emergency room visits per year	

Best		Worst
	Night-time symptoms: None	
	Wheezing or tightening of chest: Can be felt and is manageable (does not worsen)	
	Changing medication: To add oral steroids for 5 days	
	Emergency visits: None	
	Emergency visits: 10 Emergency room visits per year	
	Limitation of physical activities: 10 limitations per month	

Best		Worst
	Night-time symptoms: None	
	Night-time symptoms: 3 days per week	
	Changing medication: No changes to medication	
	Changing medication: To add oral steroids for 5 days	
	Limitation of physical activities: None	
	Limitation of physical activities: 2 limitations per month	

Best		Worst
	Night-time symptoms: None	
	Night-time symptoms: 3 days per week	
	Wheezing or tightening of chest: Can be felt and is bothersome (may worsen)	
	Changing medication: More doses or to add on another asthma medication	
	Emergency visits: 4 Emergency room visits per year	
	Limitation of physical activities: 10 limitations per month	

Best		Worst
	Night-time symptoms: 5 days per week	
	Wheezing or tightening of chest: Can be felt and is bothersome (may worsen)	
	Changing medication: No changes to medication	
	Emergency visits: None	
	Limitation of physical activities: 2 limitations per month	
	Limitation of physical activities: 10 limitations per month	

Best		Worst
	Night-time symptoms: 5 days per week	
	Wheezing or tightening of chest: No chest tightening or wheezing	
	Changing medication: More doses or to add on another asthma medication	
	Changing medication: To add oral steroids for 5 days	
	<u>Limitation of physical activities:</u> <u>None</u>	
	Limitation of physical activities: 10 limitations per month	

Best		Worst
	Wheezing or tightening of chest: No chest tightening or wheezing	
	Wheezing or tightening of chest: Can be felt and is manageable (does not worsen)	
	Wheezing or tightening of chest: Can be felt and is bothersome (may worsen)	
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	Wheezing or tightening of chest: Can be felt and is manageable (does not worsen)	
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	Changing medication: No changes to medication	
	Changing medication: More doses or to add on another asthma medication	
	Emergency visits: 10 Emergency room visits per year	
	<u>Limitation of physical activities:</u> None	

Best		Worst
	Changing medication: No changes to medication	
	Changing medication: More doses or to add on another asthma medication	
	Changing medication: To add oral steroids for 5 days	
	Emergency visits: None	
	Emergency visits: 1 Emergency room visits per year	
	Emergency visits: 4 Emergency room visits per year	

Best		Worst
	Emergency visits: 1 Emergency room visits per year	
	Emergency visits: 4 Emergency room visits per year	
	Emergency visits: 10 Emergency room visits per year	
	<u>Limitation of physical activities:</u> <u>None</u>	
	Limitation of physical activities: 2 limitations per month	
	<u>Limitation of physical activities:</u> 10 limitations per month	

ORTHAGONAL MAIN EFFECTS PLAN INSTRUMENT

Considering the following choices of attributes and their levels, please indicate which one you consider as the **most preferred (best)** and which one you consider as the **least preferred (worst)** attribute in asthma control.

Best		Worst
	Night-time symptoms: 5 days per week	
	Wheezing or tightening of chest: Can be felt and is bothersome (may worsen)	
	Changing medication: <u>To add oral steroids for 5 days</u>	
	Emergency visits: None	
	Limitation of physical activities: 2 limitations per month	

Best		Worst
	Night-time symptoms: None	
	Wheezing or tightening of chest: No chest tightening or wheezing	
	Changing medication: No changes to medication	
	Emergency visits: 10 Emergency room visits per year	
	Limitation of physical activities: None	

Best		Worst
	Night-time symptoms: 5 days per week	
	Wheezing or tightening of chest: No chest tightening or wheezing	
	Changing medication: More doses or to add on another asthma medication	
	Emergency visits: None	
	Limitation of physical activities: None	

Best		Worst
	Night-time symptoms: None	
	Wheezing or tightening of chest: Can be felt and is manageable (does not worsen)	
	Changing medication: No changes to medication	
	Emergency visits: None	
	Limitation of physical activities: 2 limitations per month	

Best		Worst
	Night-time symptoms: 3 days per week	
	Wheezing or tightening of chest: Can be felt and is manageable (does not worsen)	
	Changing medication: More doses or to add on another asthma medication	
	Emergency visits: 4 Emergency room visits per year	
	Limitation of physical activities: 10 limitations per month	

Best		Worst
	Night-time symptoms: 3 days per week	
	Wheezing or tightening of chest: Can be felt and is bothersome (may worsen)	
	Changing medication: More doses or to add on another asthma medication	
	Emergency visits: 10 Emergency room visits per year	
	<u>Limitation of physical activities:</u> None	

Best		Worst
	Night-time symptoms: 5 days per week	
	Wheezing or tightening of chest: No chest tightening or wheezing	
	Changing medication: To add oral steroids for 5 days	
	Emergency visits: 4 Emergency room visits per year	
	Limitation of physical activities: 10 limitations per month	

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	Night-time symptoms: 3 days per week	
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	Night-time symptoms: None	
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