

PC-API

(Primary Care Asthma Performance Indicators)

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Monitoring Primary Care Asthma Performance

- Brief **Background** of Asthma Indicators
- **Demo** - Using RedCap survey to upload data
- Sample Quarterly **Report**
- **Q & A**

Background

Primary Care Asthma Performance Indicators Form			
Patient visit date: <input type="text"/>		Patient Health Card Number: <input type="text"/>	
Person who filled out this form: MD			
(circle one) Nurse/Nurse Practitioner		Site ID: <input type="text"/>	
other <input type="text"/>			
Asthma Indicators			
1. PFT	a) Patient's asthma diagnosis was confirmed by PFTs (spirometry, peak flow or methacholine challenge test)	<input type="radio"/> Yes	<input type="radio"/> No
	b) Patient was monitored with spirometry in last 12 months	<input type="radio"/> Yes	<input type="radio"/> No
2. Medication Use	a) Patient is using inhaled corticosteroids (ICS)	<input type="radio"/> Yes	<input type="radio"/> No
	b) Self-reported number of ICS prescriptions filled in last 12 months	<input type="text"/>	
	c) Self-reported number of short-acting β_2 -agonist doses (2 puffs) per week in last 4 weeks	<input type="text"/>	
	d) Self-reported number of β_2 -agonist-free days in last 4 weeks	<input type="text"/>	
	e) Patient has demonstrated their inhaler technique regularly	<input type="radio"/> Yes	<input type="radio"/> No
3. Asthma Control	a) Asthma symptom control was assessed in last 6 months	<input type="radio"/> Yes	<input type="radio"/> No
	b) Patient's asthma has been well-controlled in last 4 weeks	<input type="radio"/> Yes	<input type="radio"/> No
	c) Self-reported number of symptom-free days in last 4 weeks	<input type="text"/>	
	d) Self-reported number of days missed from school or work due to asthma in last 12 months	<input type="text"/>	
4. Exacerbations	Patient has had <u>more than one</u> asthma exacerbation in last 12 months	<input type="radio"/> Yes	<input type="radio"/> No
5. Health Care Use	a) Number of ED visits for asthma in last 12 months	<input type="text"/>	
	b) Number of urgent care visits for asthma in last 12 months	<input type="text"/>	
	c) Number of primary care visits for asthma in last 12 months	<input type="text"/>	
	d) Patient has a routine health care provider	<input type="radio"/> Yes	<input type="radio"/> No
6. Action Plan	Patient has received a written asthma action plan	<input type="radio"/> Yes	<input type="radio"/> No
7. Asthma Education	Patient has been referred to see a certified asthma educator	<input type="radio"/> Yes	<input type="radio"/> No
8. Smoking Cessation	Patient has received advice to stop smoking	<input type="radio"/> Yes	<input type="radio"/> No
	or patient is a non-smoker	<input type="radio"/> Yes	
9. Quality of Life	Patient's assessment of their quality of life	<input type="radio"/> Excellent	<input type="radio"/> Very good
	or Mini AQLQ/PAQLQ filled out online	<input type="radio"/> Good	<input type="radio"/> Fair
		<input type="radio"/> Poor	
		<input type="radio"/> Yes	

- **15 primary care asthma performance indicators (PC-API)** derived using a modified **Delphi approach** with a multi-discipline expert panel
- The PC-APIs are presented in **9 main questions**
- **Feasibility** of using this PC-API tool was tested and **demonstrated** (with 5 sites, 50 prospective patients and 50 retrospective charts)

Using RedCap

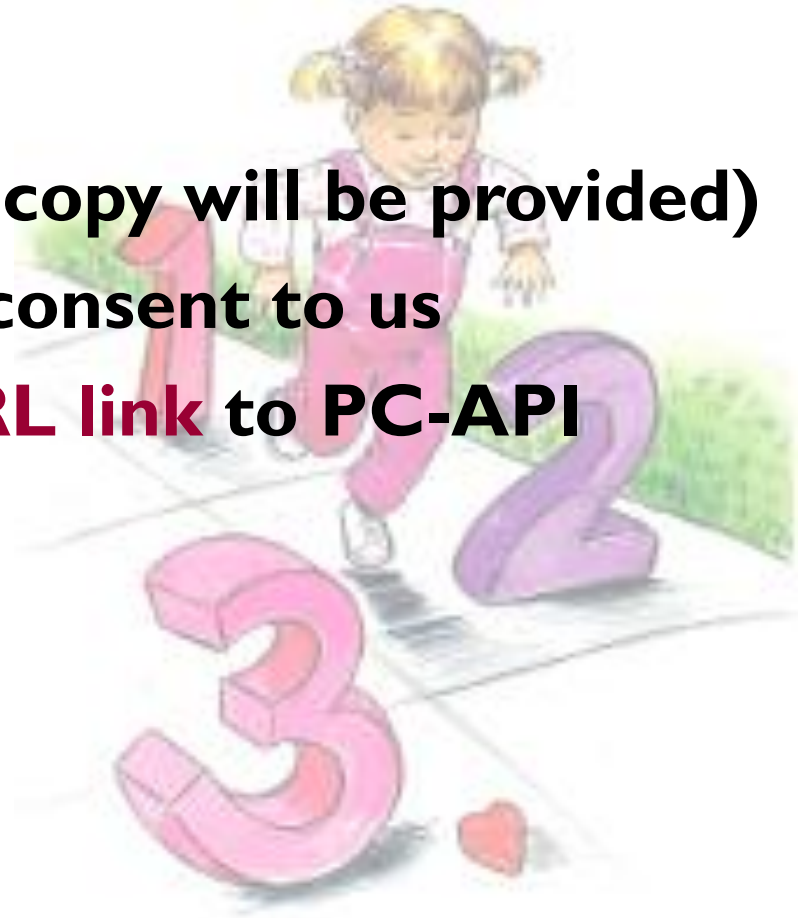
Research Electronic Data Capture

What do I need?

Internet Access.

Steps 1-2-3

1. Sign a **consent** form (a copy will be provided)
2. **Email back** the signed consent to us
3. We will email you a **URL link** to PC-API



URL link

- The simple email with the **URL link** looks like this:

<https://redcapexternal.research.sickkids.ca/surveys/?s=ZNM7bj>

- You will use the **same URL link every time** you have a new patient record to upload
- So, you can either save the email or save the **URL** as a **book mark** in your browser

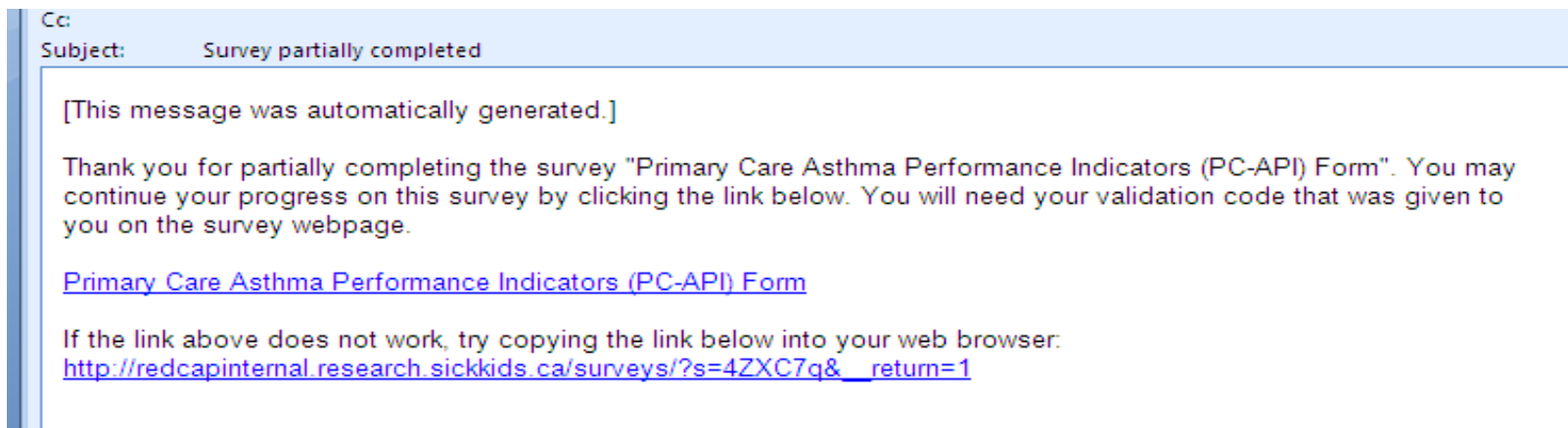
Submit now or Save for later

● If you choose to **SUBMIT**

- **You are done!** Next patient record, click on the URL link again and a clean page will be provided.

● If you choose to **SAVE AND RETURN LATER**

- A **validation code** will pop up on your screen. **Save this.** You will receive an email to remind you to return later. Click the link provided to return to complete the data entry and submit.



Quarterly PC-API Report

- Quarterly report is based on **aggregated data**, no individual patient level data
- We will produce a quarterly report to all participating sites
- Each site will see their **site-specific statistics** and the overall statistics
- If you have **less than 6 patient records**, no **site-specific statistics** will be provided, but you will still see overall **API statistics**

Primary Care Asthma Performance Indicators Report

Report prepared for SITE NAME on DATE

Population: All ages, excluding patients with COPD only

Asthma Indicators

		Site (N=53)	All Sites (N=139)
1. PFT	a) Percentage of patients whose asthma diagnosis was confirmed by PFTs (spirometry, peak flow or methacholine challenge test)	93.8%	89.4%
	b) Percentage of patients monitored with spirometry in last 12 months	55.3%	81.0%
2. Medication Use	a) Percentage of patients using inhaled corticosteroids (ICS)	84.3%	90.4%
	b) Average number of ICS prescriptions filled in last 12 months *	2.7	5.3
	c) Average number of short-acting β 2-agonist doses (2 puffs) per week in last 4 weeks *	5.5	6.4
	d) Average number of β 2-agonist-free days in last 4 weeks *	11.7	17.6
	e) Percentage of patients that have demonstrated their inhaler technique	98.1%	92.6%
3. Asthma Control	a) Percentage of asthma patients whose asthma symptom control was assessed in last 6 months	71.7%	83.8%
	b) Percentage of patients whose asthma has been well-controlled in last 4	28.3%	50.7%
	c) Average number of symptom-free days in last 4 weeks *	11.30	14.86
	d) Average of total number of days missed from school or work due	1.35	0.52

Summary

- Physician(s) at your site will need to **sign a consent** form.
- A **URL link** will be provided to use the PC-API tool
- **Upload each asthma patient data** by filling out the online PC-API tool using REDCap.
- A **quarterly summary report** will be emailed to you
- **No predetermined number** of patient encounters required
- **No deadline** or timeline stipulated, you can start/stop anytime
- Your site-specific **data will ONLY be sent to you.**
- Entering patients' **Health Card Number is not required**



Questions?

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