



**"If you have
a sore throat,
get it checked out"**

Robert Fruean

Rheumatic fever can cause
permanent damage to the
heart

**STRONG HEARTS
IN PORIRUA**



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August 2010: Porirua Kids Project first meeting

Sept 2010 -March 2011:

Development of standing order, health care worker training, community information and communications

6 March 2011: Launch of Strong Hearts programme – primary care focus on nurse-led clinics

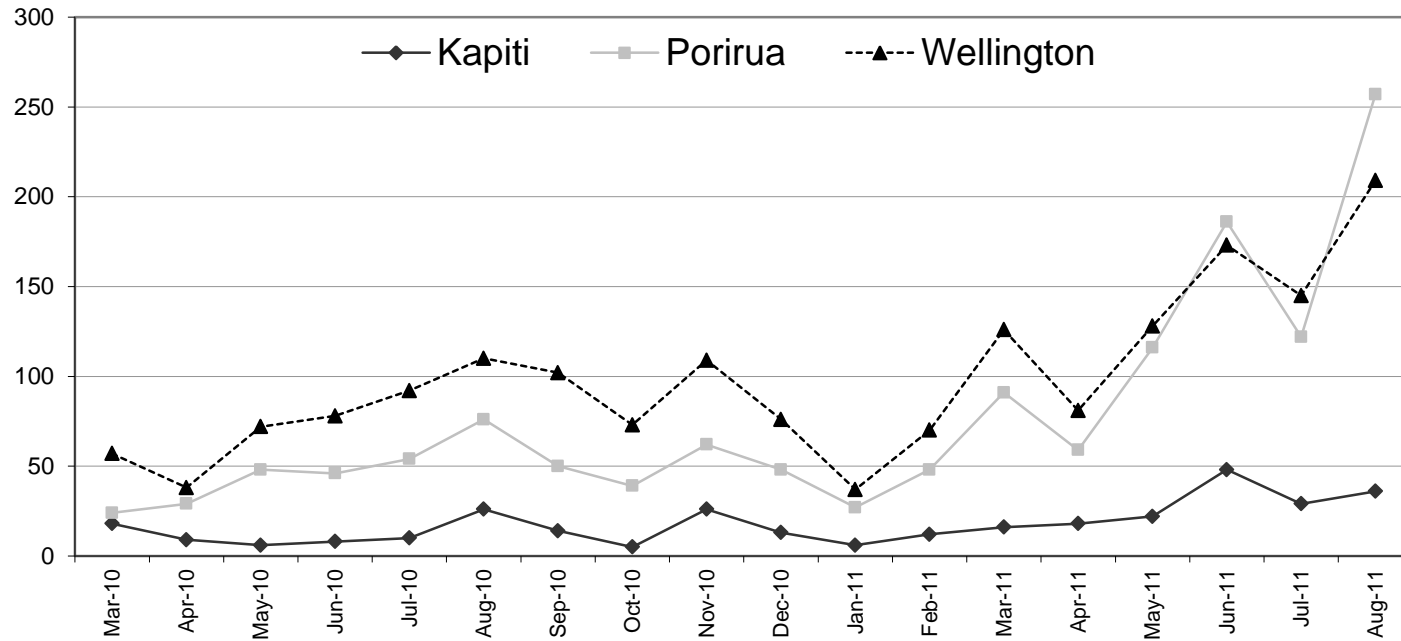
1 August 2011: Pilot PHN swabbing in 2 primary schools

24 October 2011: Pilot extended 2 additional schools

Currently:

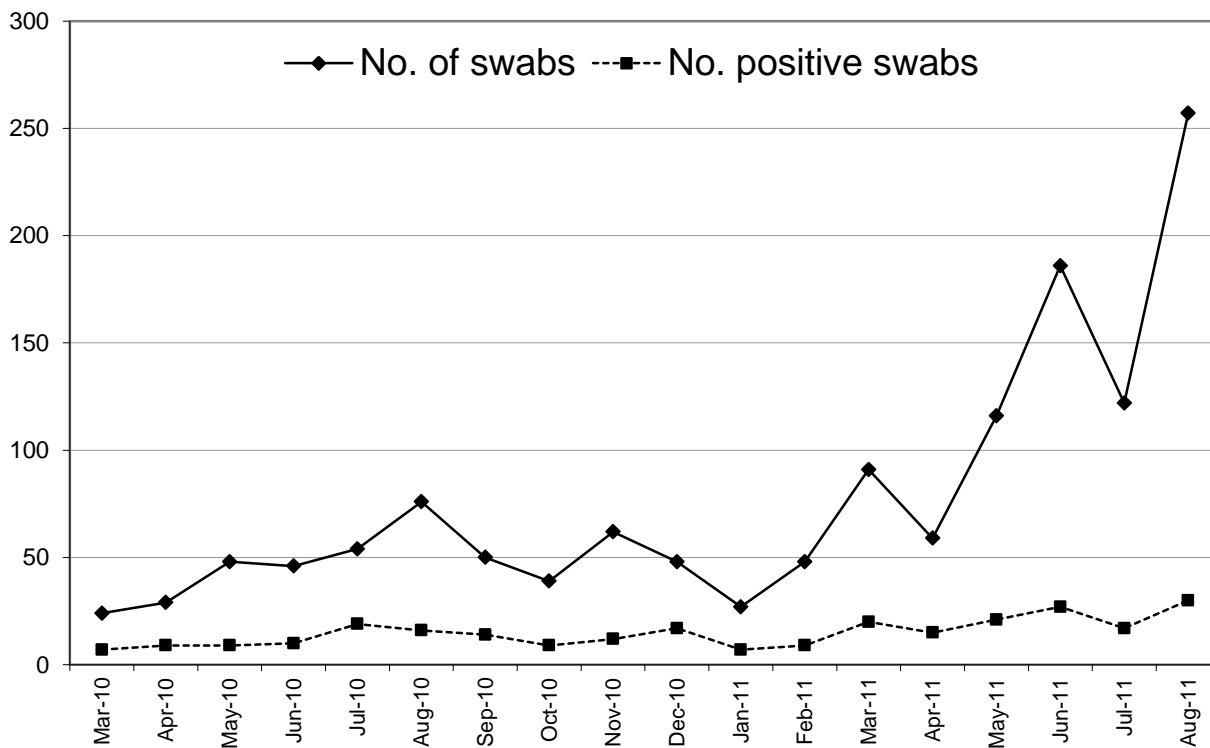
- Swabbing in all 4 colleges (Year 9&10) and 4 of 15 local primary schools and all local primary care by refocusing existing resources.
- Aim to swab in all schools with new MoH funding – under negotiation
- Strong engagement from community and wider stakeholder commitment eg Porirua Council Strategic Co-ordination group
- Ripple effect across CCDHB

No. of throat swabs, 5-14 yrs, C&C DHB referrers



WELLINGTON	20,433
PORIRUA	8,444
KAPITI	6,621

No. of throat swabs, 5-14 yrs, Porirua referrers



Porirua

Month	Negative	Positive	% positive	Total
Mar-10	17	7	29%	24
Apr-10	20	9	31%	29
May-10	39	9	19%	48
Jun-10	36	10	22%	46
Jul-10	35	19	35%	54
Aug-10	60	16	21%	76
Sep-10	36	14	28%	50
Oct-10	30	9	23%	39
Nov-10	50	12	19%	62
Dec-10	31	17	35%	48
Jan-11	20	7	26%	27
Feb-11	39	9	19%	48
Mar-11	71	20	22%	91
Apr-11	44	15	25%	59
May-11	95	21	18%	116
Jun-11	159	27	15%	186
Jul-11	105	17	14%	122
Aug-11	227	30	12%	257

ACUTE RHEUMATIC FEVER 1/1/2008 – 7/11/2011 CCDHB and HVDHB

All cases

TLA	2008	2009	2010	2011
Uhutt	1	1	0	1
Lhutt	3	3	7	5
Wellington	5	0	1	4
Porirua	7	6	6	5
Kapiti	1	1	0	1
	17	11	14	16

5-14yrs

TLA	2008	2009	2010	2011
Uhutt	0	1	0	1
Lhutt	3	3	6	4
Wellington	4	0	0	3
Porirua	6	4	4	2
Kapiti	1	0	0	0
	14	8	10	10

%15+	17%	27%	28%	37%
AgeRange	6-23y	9-27y	6-20y	7-37y



Learnings/discussion:

- Communication across wider health provider community eg ED, Paeds, Secondary Care regarding treatment protocols/antibiotic use
- Opportunity to use Rapid Test in school swabbing as well as primary care?
- Inclusion in probiotic trial?
- Household follow up linked into other programs
- Relationship to other child health projects – eg skin infections

What we would like from national approach:

- Standard consent forms and communication to all schools
- Standard approach to monitoring and evaluation
- Standard treatment protocol in all ED and Afterhours
- Future planning - collective approach to healthy housing



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Process

- Discussion with school and engagement with staff
- Information to parents
- Consent form filled in by all children including name of GP
- Teachers ask daily about sore throats
- PHNs are called if children have sore throats and do swabs
- Results to child's GP and also entered in spreadsheet at RPH.
- PHN checks with practice that positive results have been followed up

Initial Results (1 Aug -16 Sept)

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Total
Total swabbed	24	22	25	21	13	15	17	137
Positive	3	3	0	0	3	1	1	11

Results

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Total
Total swabbed	24	22	25	21	13	15	17	137
(Incl Reswabs)	0	2	8	4	4	6	9	33
Positive	3	3	0	0	3	1	1	11