

# Promote screening and early detection of metabolic syndrome in patients with schizophrenia

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Adding years of healthy life

## **Mission Statement**

To improve complete screening for metabolic syndrome in all patients in Annual Review Clinic for with a diagnosis of schizophrenia without preexisting diagnosis of Diabetes, Hypertension or Hyperlipidaemia managed by Community Psychiatric Department at Community Wellness Clinic, Queenstown IMH over the next 6 months (Oct 2015 to Apr 2016) from 3 per cent to 50 per cent

#### **Team Members**

Overcrowding at parameters counter

Pts not sticking to

Pt disability

Wheelchair bound

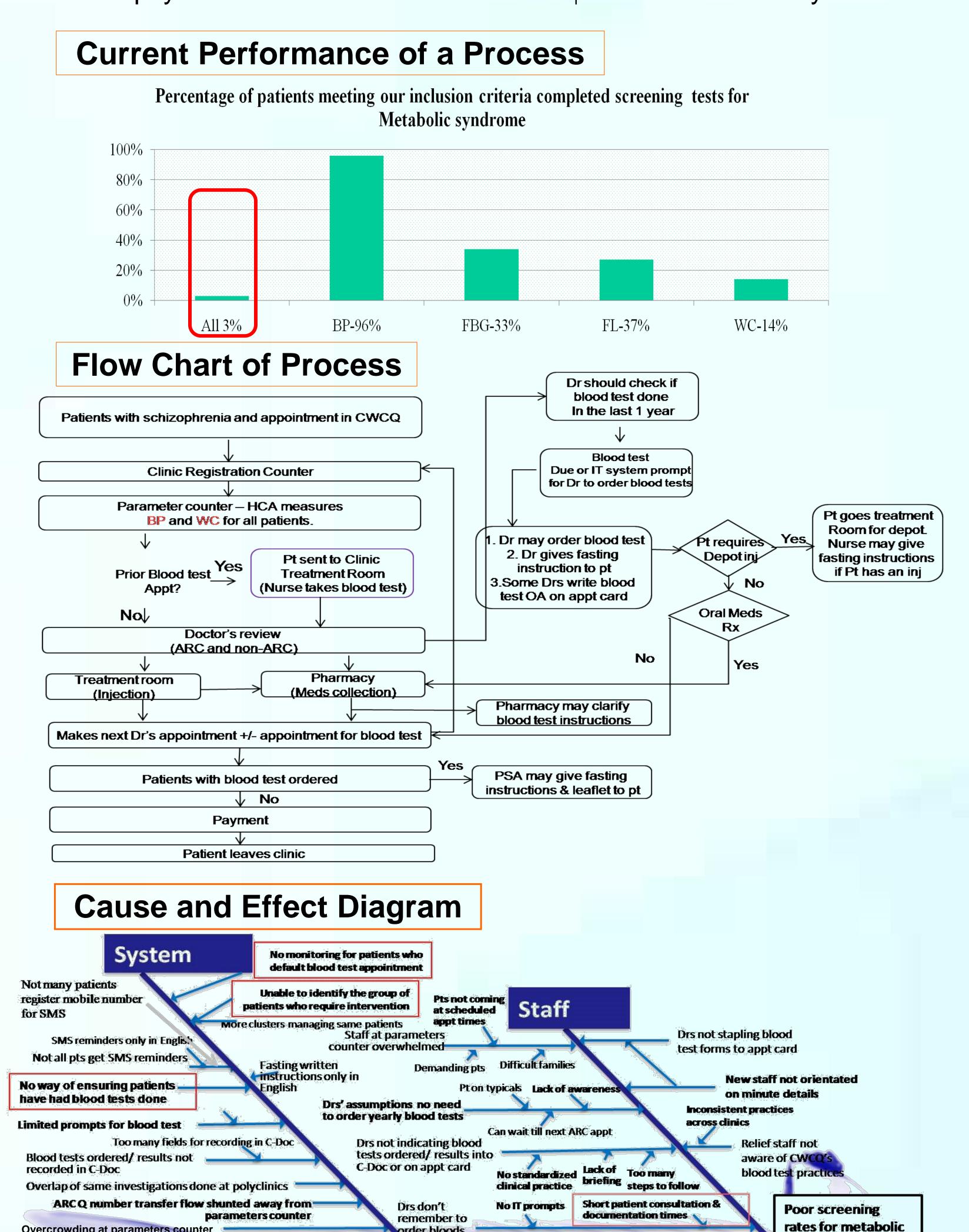
cannot do WC

	Name	Designation	Department
Leader	Dr Poornima Gangaram	Consultant	Community Psychiatry
Members	Ms. Reena Poo	Case Manager	
	Nurul Shireen	Executive (CWCQ)	Operations
	Ms. Vicki Lee	Senior Staff Nurse	Community Psychiatry
	Mr. Chee Kok Seng	Senior Pharmacist	Community Psychiatry
	Ms. Lalitha	Health Care Assistant	IMH
	Dr. Lee Yu Wei	Medical Officer	Community Psychiatry
Sponsor	Dr Lee Cheng	VCMB	Community Psychiatry
Facilitator	Susan Lim	Associate Director	Operations

### Evidence for a Problem worth solving

Metabolic syndrome affects 20-25% of the world's population

- Associated with ↑ risk of complications like stroke, heart disease
- Twofold increase in likelihood of death
- Patients with schizophrenia are found to have ↑ insulin resistance, impaired glucose tolerance and ↑ intra-abdominal fat vs. controls (Papanastasiou 2012), associated with ↑ risk of diabetes mellitus by 2-3 times independent of anti-psychotic drug use (de-Hert 2009)
- Anti-psychotic medications contribute to ↑ risk of metabolic syndrome.



order bloods

Pt ID/ MR

Pt overslept Pt not free to come

Pt unwell Pt admitted

**Not all pts** have subsidies

Cost affordability

Patient misplaced

blood test order form

**Patient** 

Not aware as on

fasting instructions Patient did not

**Cognitive deficits** 

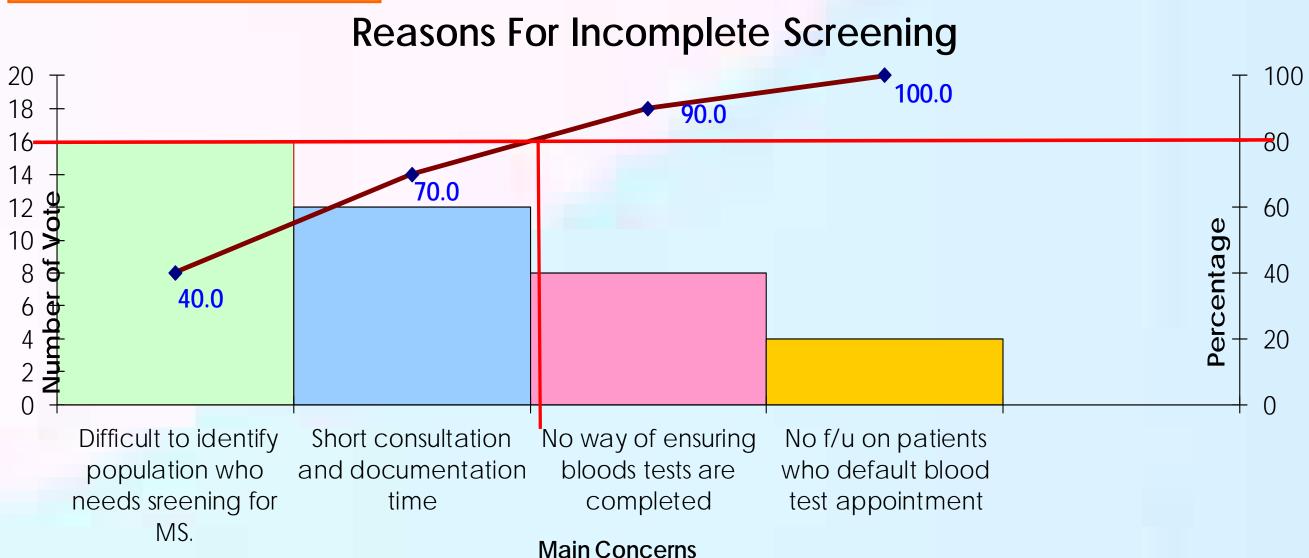
Meds' side effects

Patient defaults blood test appt

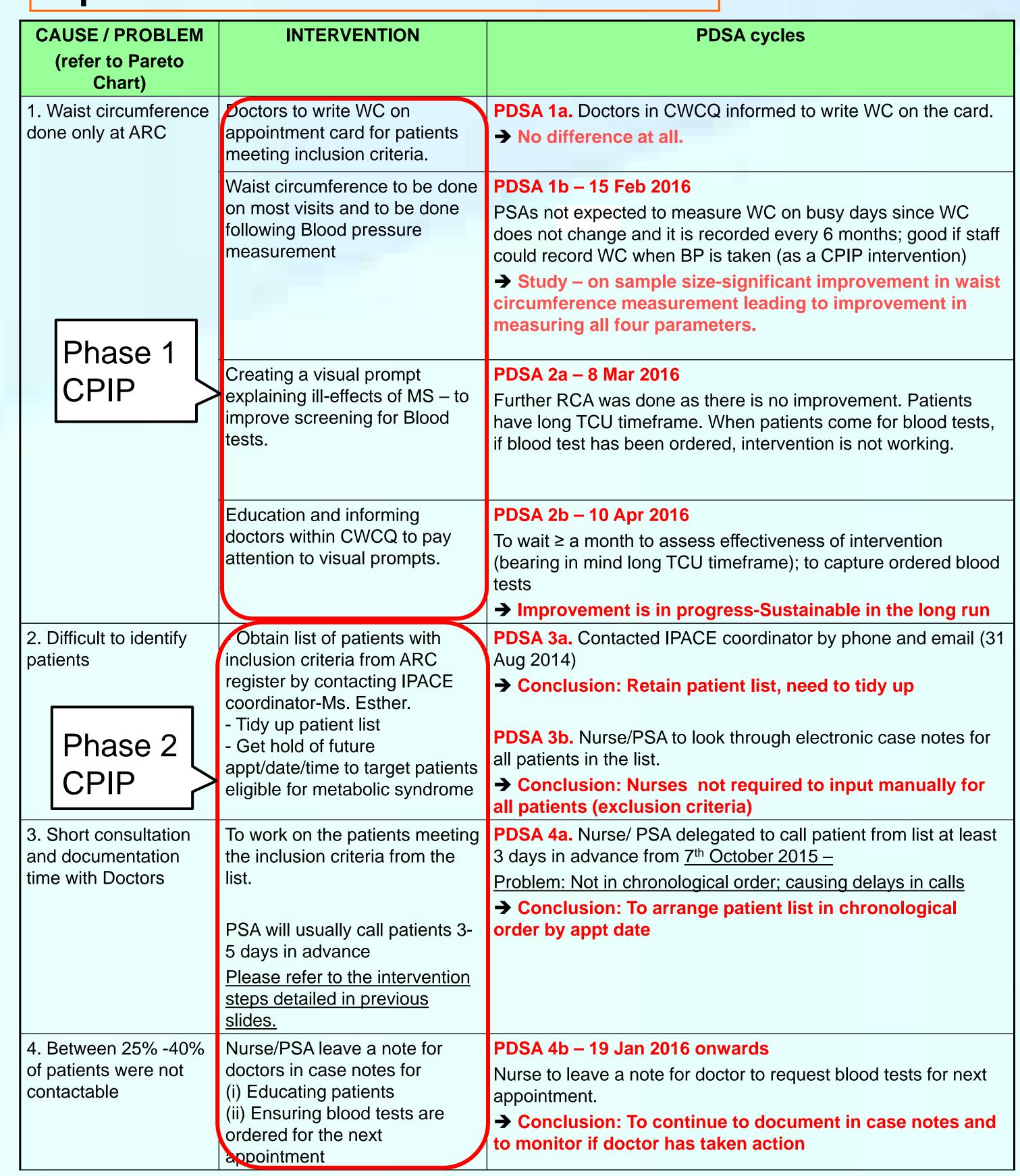
Prsrights not

remember to fast

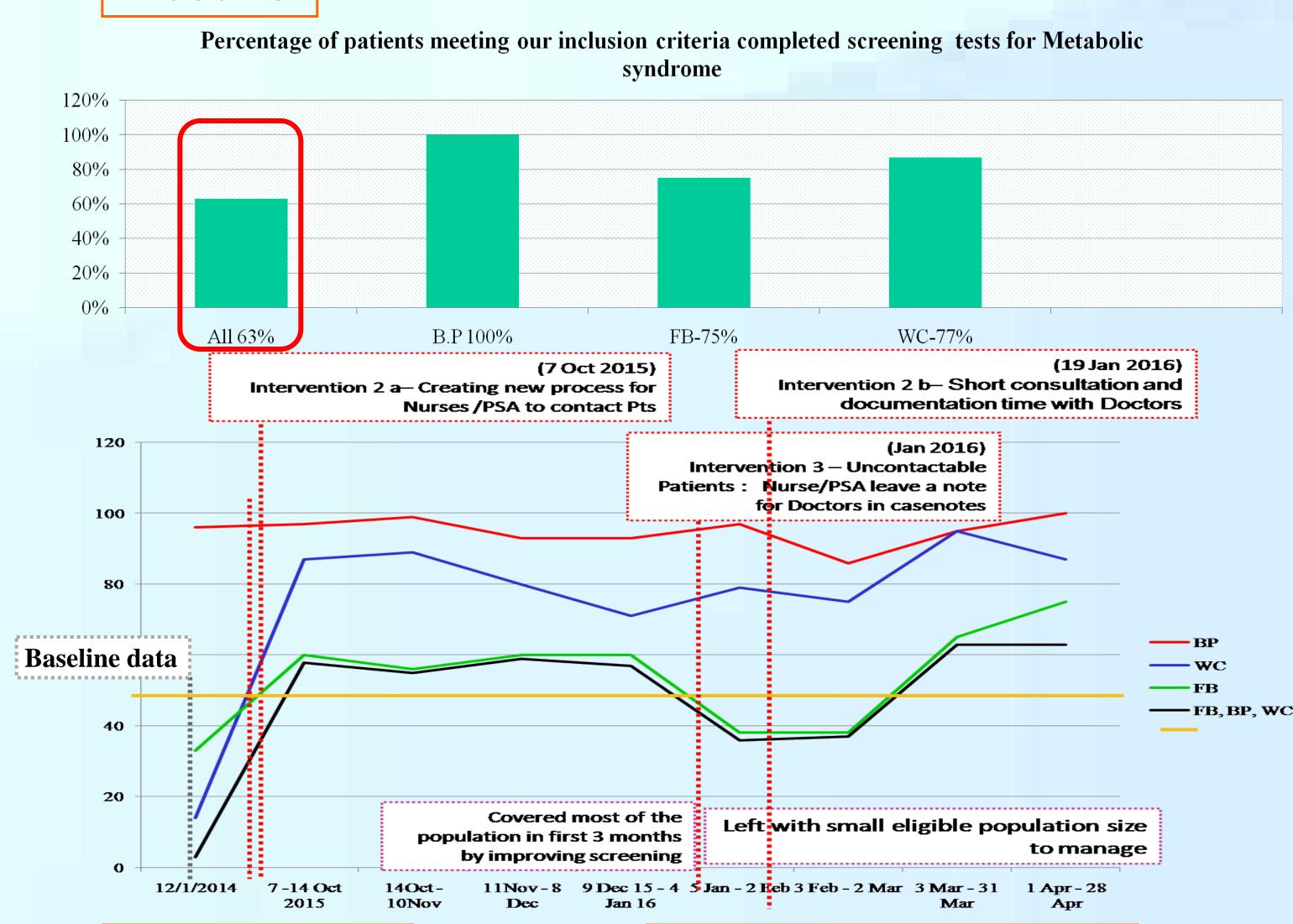




# Implementation and Problems Faced



# Results



# **Cost Savings**

syndrome of

schizophrenia

patients in CWCQ

Prevention diabetes delaying onset daemia complications

- Reduces medical/insurance
- costs Economical savings for institution/government

# Strategies to Sustain

- or Nurse/PSA to continue working on of patient master list
- diabetes/hypertension/hyperlipi Nurse/PSA will book appointments in associated SAP for next due date to ensure the parameters will done on a yearly basis
  - List to be updated on a monthly basis