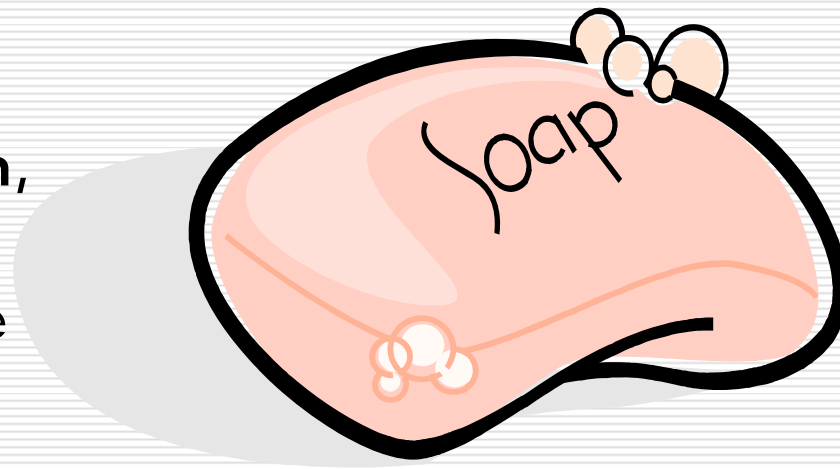


Cleaning Up Narcotic Use with SOAP

(Safe Oxycodone Administration Project)

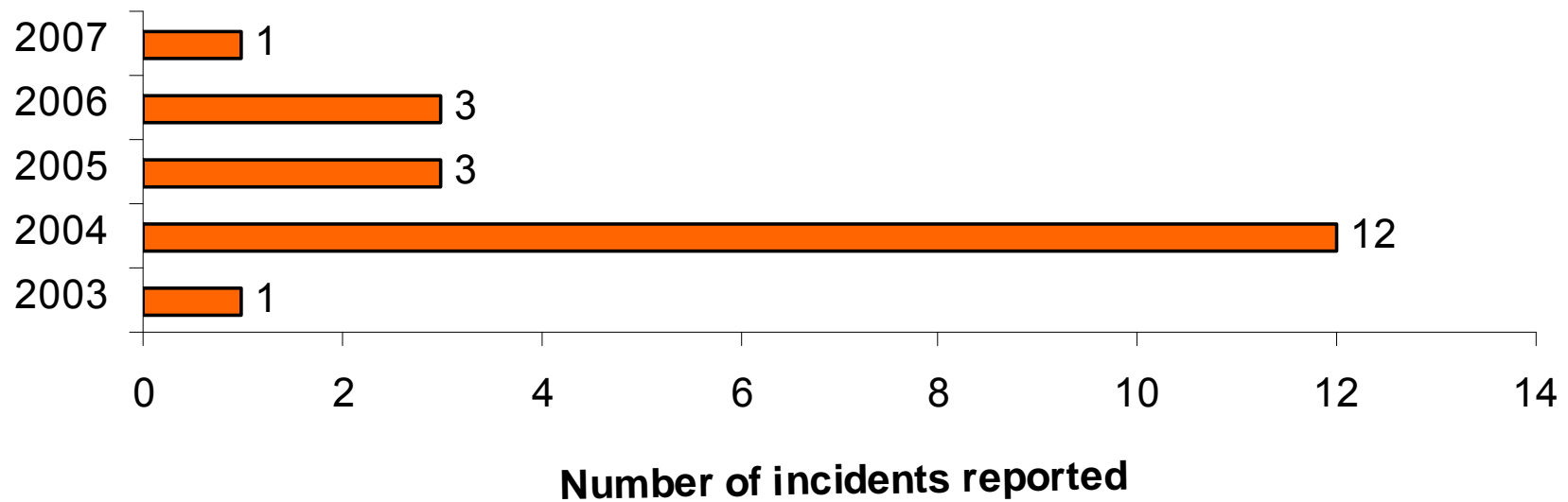
A Prof Dr Stephen Lim,
Chief Pharmacist
Armadale Health Service



ARMADALE
HEALTH SERVICE

The Problem (source AIMS report):

Incident Reports On Errors In Administering Oxycodone



3 examples of AIMS Reports



Case 1: Multiple Adm. of Different Formulation for 11 Days!

R_x:

Oxycodone 10mg bd

Admin:

- Oxycontin (**SR**) 10mg tab +
- Endone (**IR**) 2x5mg tab
- interchanged (*IR & SR*) for 11 days!

Adverse effect:

resp depression

I_x:

- Nurses unfamiliar with oxycodone prep
- R_x did not specify type



Case 2: Slow release (SR) given as PRN dose

R_x: Oxynorm 5-10mg PRN (max. qid)	Admin: Oxycontin (SR) 10mg given as PRN dose on 2 occasions
Adverse effect: nil	I_x: Nurses unfamiliar with oxycodone preparations.



Case 3: Similar “sounding” Drugs

R_x: Oxycontin 10mg bd	Admin: Given 10mg MScontin
Adverse effect: nil	I_x: not familiar with oxycodone/ morphine preparations



The Reasons Why Errors Occurred!



Reason 1 ☹️ : **multiple choices**

multiple preparations

multiple ward stocks

- IR (Oxynorm) 5, 10, 20mg caps
- SR (Oxycontin) 5, 10, 20, 40, 80mg tabs
- IR (Endone 5mg tab)



Reason 2 ☹️

Unhelpful recording in Ward's S8 register

- Trade name instead of generic name
- No identification of SR / IR



Recording Page

RECORD OF DRUGS RECEIVED AND USED

0033

DRUG Diazepam 5mg

BALANCE 20

BROUGHT FORWARD FROM PAGE 26

RECEIVED		USED									
DATE	AMOUNT	REQ. NO.	FULL NAME OF PATIENT	DATE	TIME GIVEN	DOSE ADMIN TO PATIENT	AMOUNT ISSUED from STOCK	BALANCE	NAME OF DOCTOR ORDERING	GIVEN BY (SIGNATURE)	CHECKER (SIGNATURE)
			CHECKED & CORRECT								
				18/2/08	0800			20			
				18/2/08	0800	80mg	80mg	19			
				18/2/08	0800			19			
				19/2/08	0440	80mg	80mg	18			
				19/2/08	0800	80mg	80mg	17			
				19/2/08	1600	80mg	80mg	16			
				19/2/08	2202	80mg	80mg	15			
				20/2/08	0020			16			
				20/2/08	0800	80mg	80mg	14			
				20/2/08	1400	80mg	80mg	13			
				20/2/08	2210	80mg	80mg	12			
				21/2/08	0700			12			
				21/2/08	300	80mg	80mg	11			
				21/2/08	1440	80mg	80mg	10			
				21/2/08	2145	120mg	80mg	9			
				21/2/08	0850			9			
				22/2/08	0810	80mg	80mg	8			
				22/2/08	1410	80mg	80mg	7			



Reason 3 ☹️

Similar Sounding Names

- Oxycontin
- MScontin



Reason 4 ☹️

Incomplete R_x (No SR/IR)

- Oxycodone 20mg bd
- Oxycodone 10mg PRN



Incorrect R_x:

Location: _____ Ward/clinic: _____ Discharge date: 05/03/08 Time: 11 00 am / pm

Pharmaceutical prescription
 MADALE HEALTH SERVICES
 100 ALBANY HIGHWAY
 MADALE WA 6112
 PHONE: 08 9391 2000

Provider no. 0070040K

Pharmaceutical benefits entitlement or DVA number

Safety Net entitlement card holder Concessional or dependant, RPBS beneficiary or Safety Net concession card holder

Print patient's name _____
 Tick appropriate box (one scheme only per form)
 PBS RPBS Chemo Access

Drug name and form	Strength	Dose, route, frequency, duration	Quantity	Rpts (OP only)	Supply Y/N	Approval number if required
ESCITALOPRAM	10mg	PO, 1 tab				
OXYCONTIN - SR	5mg	PO, 1 tab BD	56	20		
OXYCONTIN - IR	2.5mg	PO, 1 tab PRN upto a maximum of 10mg per 24 hours	28	20		
Oxycodone-IR = Oxycodone confirmed Endone.						
(*) familiar 2 Dr's handwriting 2						

Prescriber's name: _____
 Prescriber number: _____
 Pager number: _____ Clinical unit: AOAMHS

Please turn over for privacy note
 I certify that I have received this medication and the information relating to any entitlement to free or concessional pharmaceutical benefits is not false or misleading.

Date of supply: _____ Patient or agent's signature: _____ Agent's address: _____

Patient or pharmacist copy



Reason 5 ☹️

Unhelpful Med Chart

- Old chart no column to prompt prep type
- NIMC may cause confusion (√ and X)



Reason 6 ☹️

Inadequate knowledge

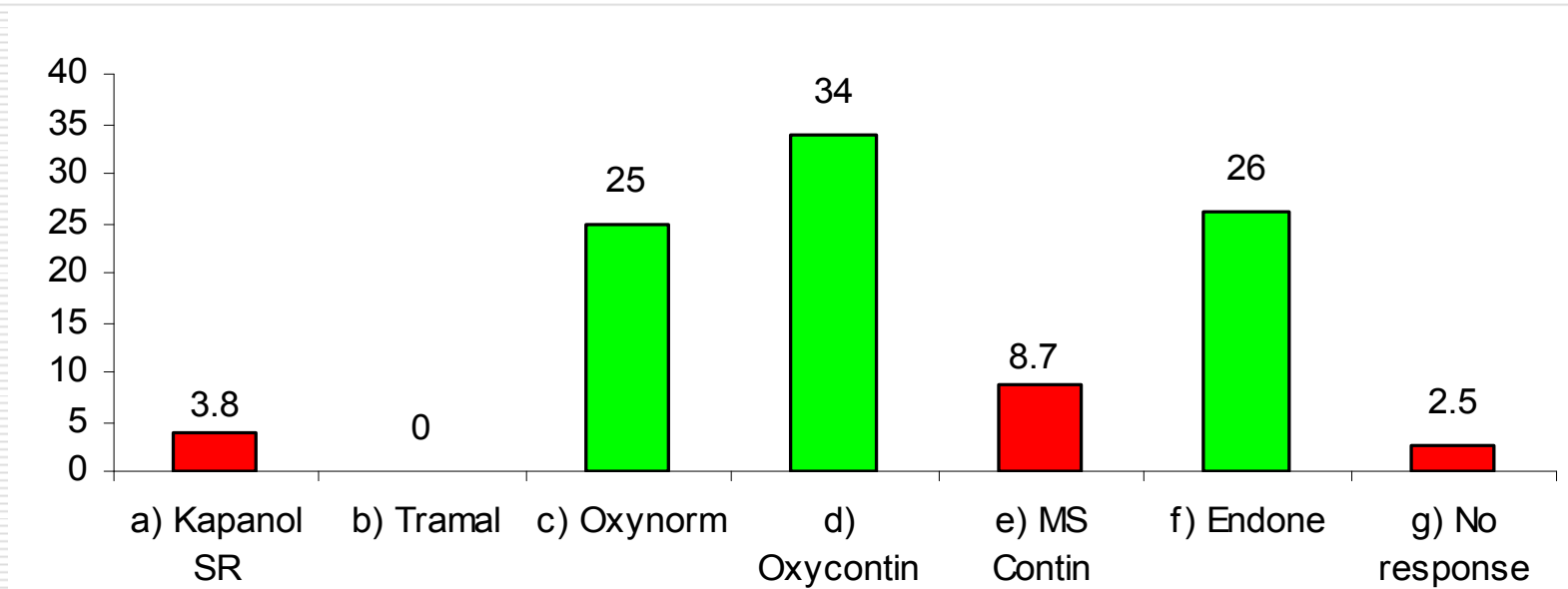
- ❑ Unfamiliar with differences in oxycodone preparations



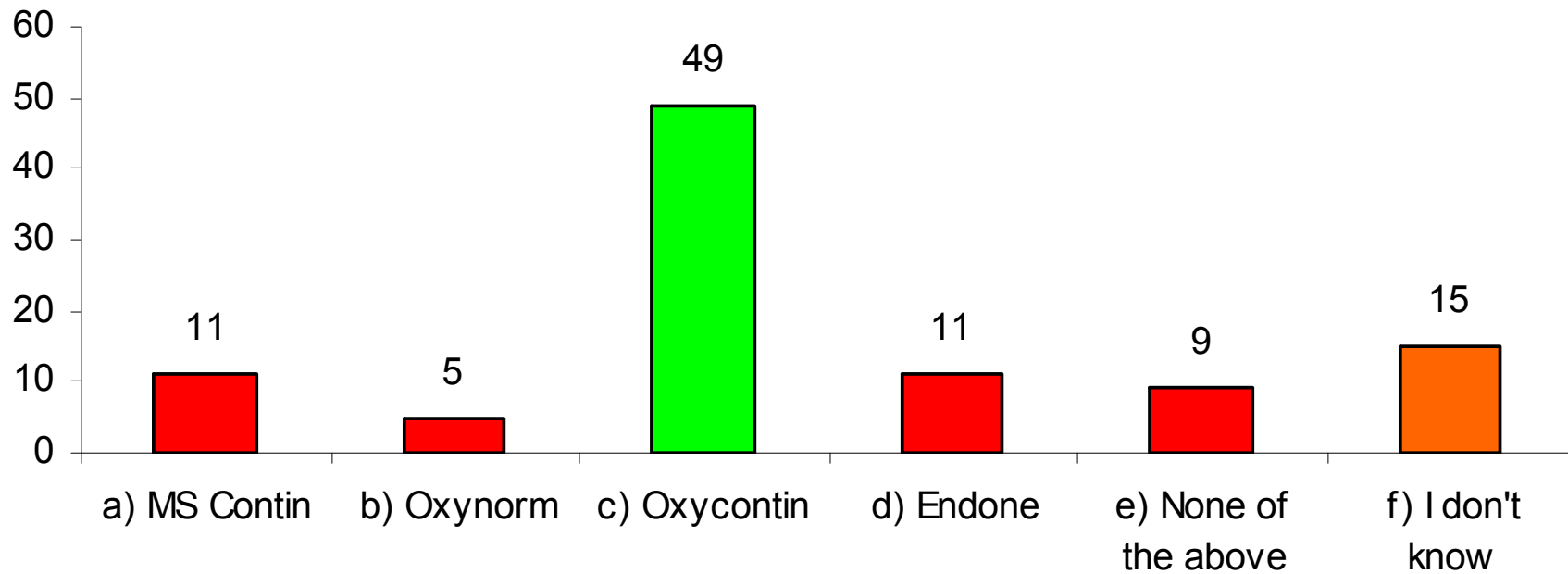
Results of the Oxycodone Awareness Survey (n=44)



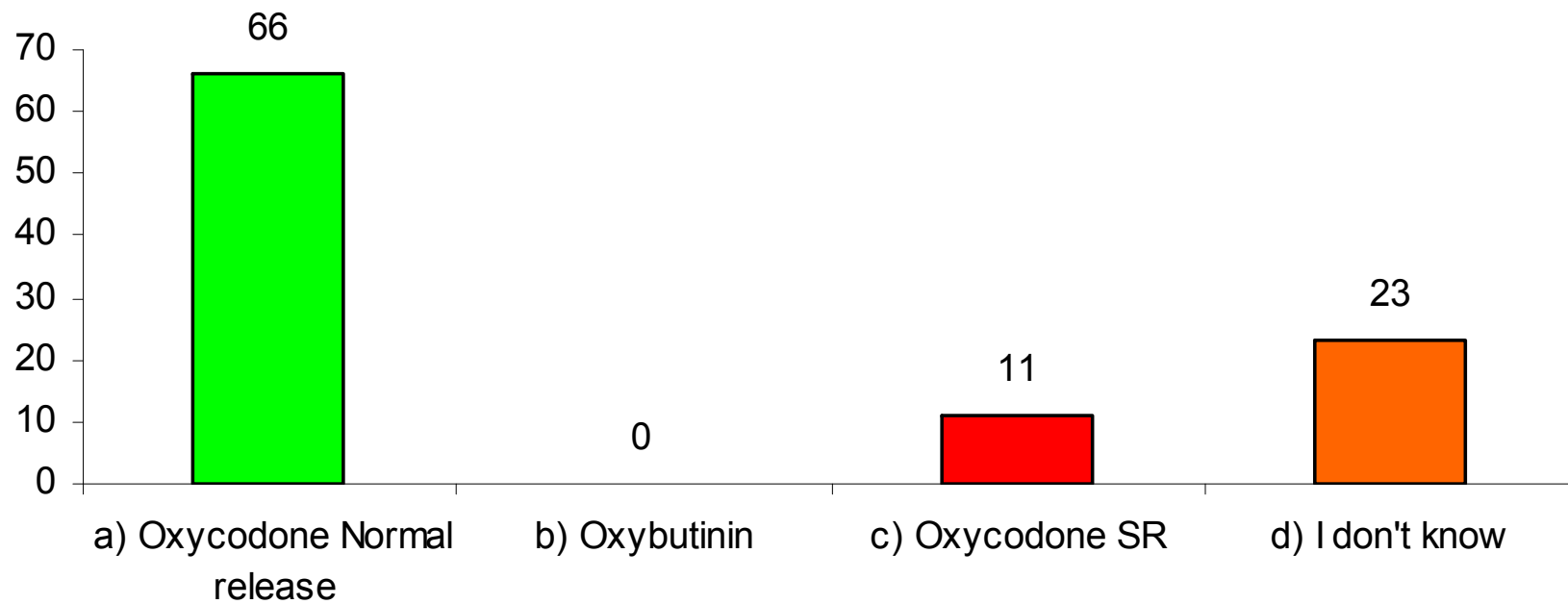
Which of the following preparations contain oxycodone (%)?



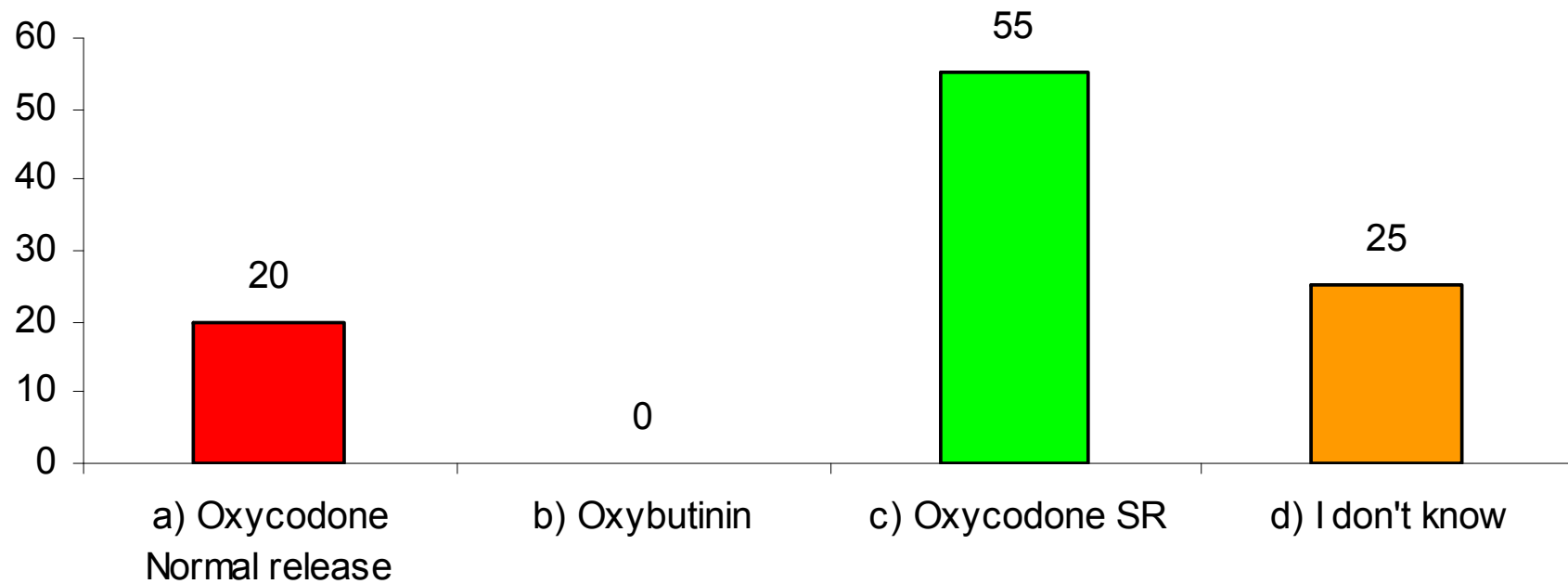
Which of the following preparations contain oxycodone SR (%)



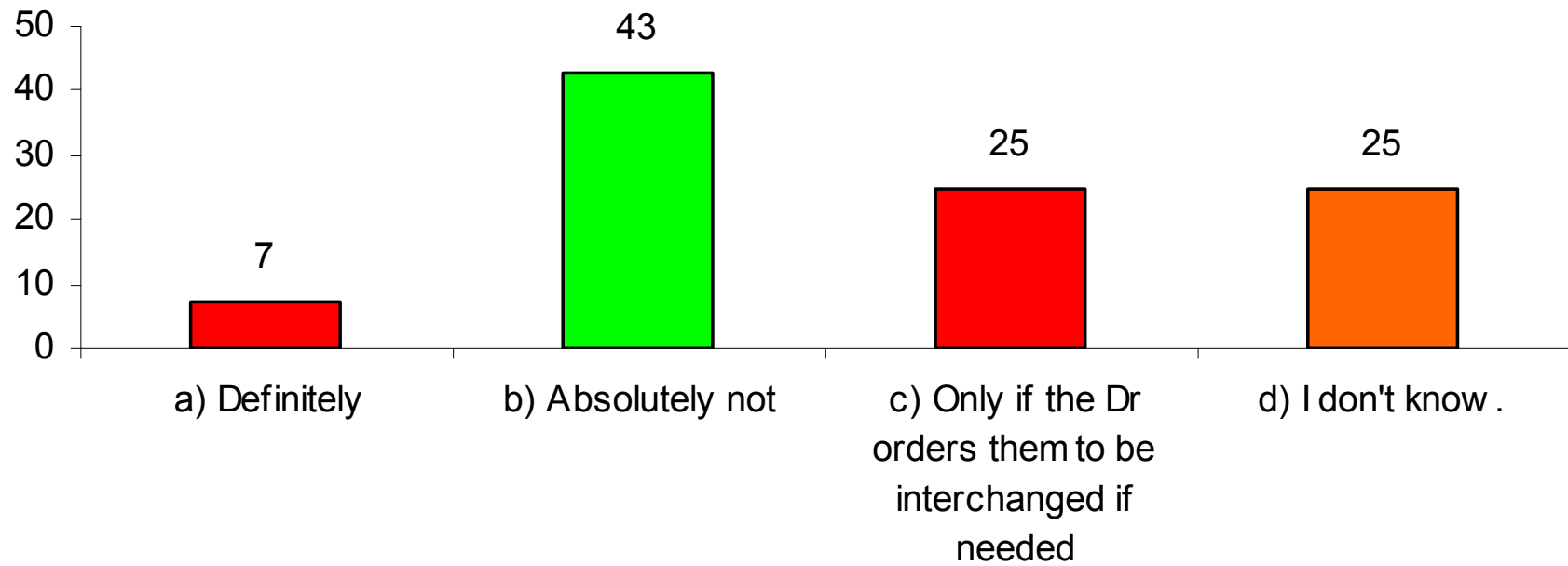
Content of Oxynorm capsule (%):



Content of Oxycontin tab (%):



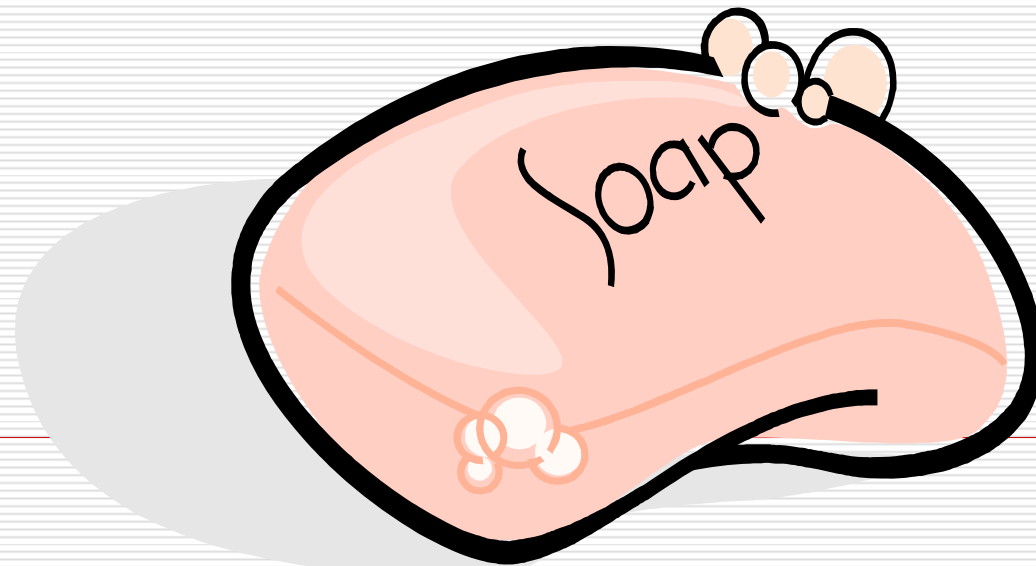
Ability to interchange Oxynorm, Oxycontin, and Endone (%)



Solution to the problem:

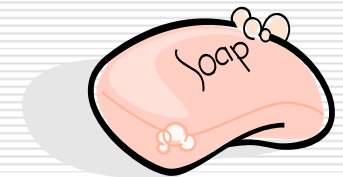
□ Formation of SOAP

“Safe Oxycodone Administration Project”



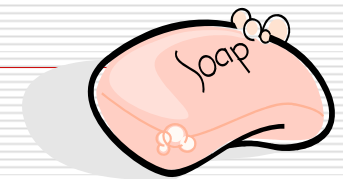
Our Aims:

- ❑ Eliminate error in oxycodone adm.
- ❑ Zero incident (AIMS report)



Our Strategies:

- multidisciplinary team involvement
- Marketing :
 - Education (nurses + doctors)
 - Posters
 - Flyers
- Zero tolerance policy
 - No admin for R_x not written correctly
- Auxiliary labels to differentiate IR/SR
- Clearer recording in S8 register



□... auxiliary labels



Reminder label on S8 register and using generic names plus release form

Oxycodone, OxyNorm, OxyContin, Endone preparations:

GENERIC NAME	TRADE NAME	Strength available (mg)
Oxycodone IR (Immediate Release or Normal Release)	OxyNorm capsule	5, 10, 20mg
Oxycodone SR (Slow Release)	Endone tablet	5mg
	OxyContin tablet	5, 10, 20, 40, 80mg

STATE OF WESTERN AUSTRALIA

AMS

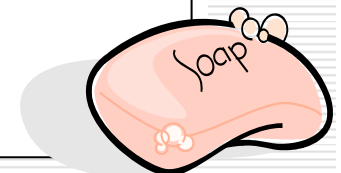
HOSPITAL

Ward or Department

Emergency

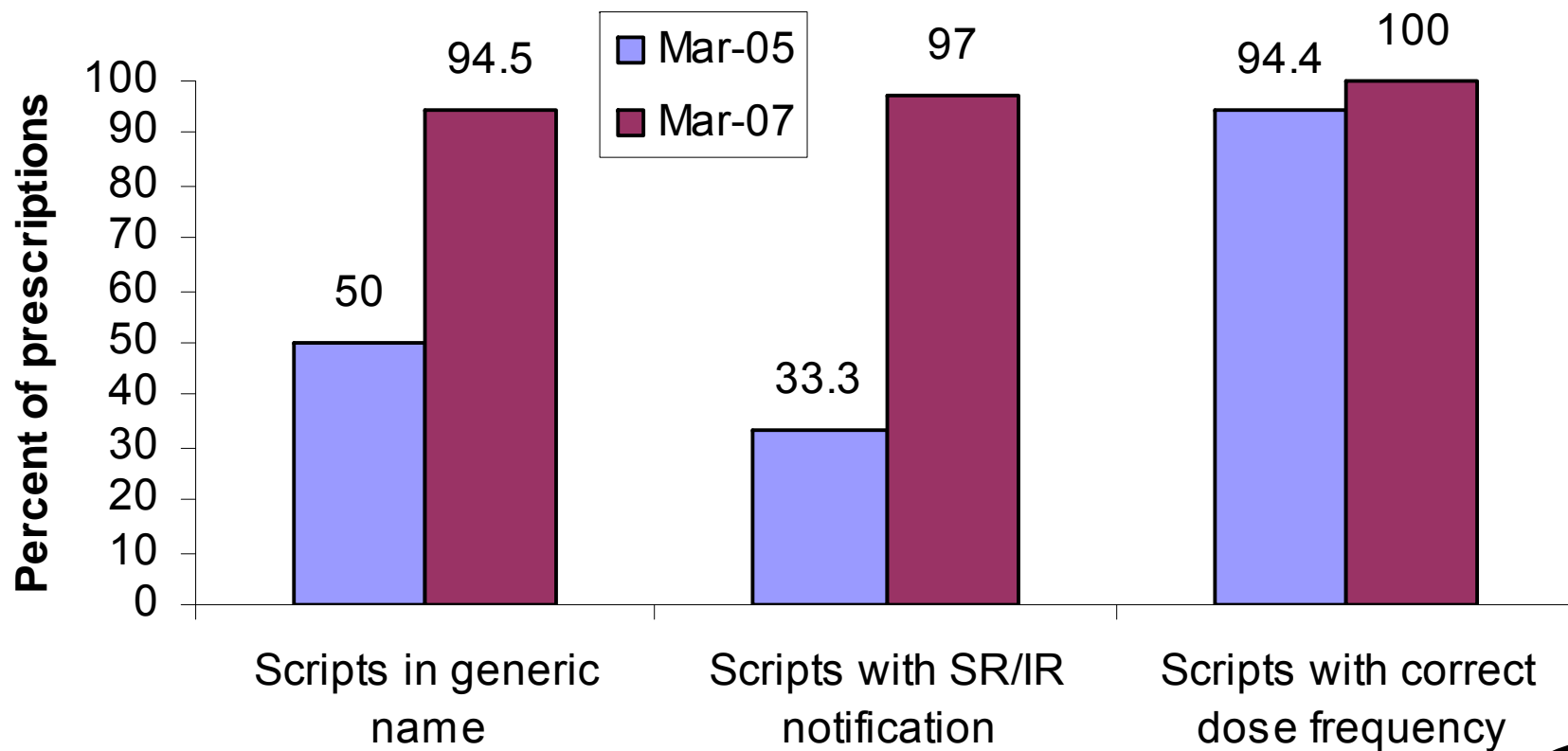
REGISTER OF DRUGS

POISONS ACT 1964 (EIGHTH SCHEDULE)



SOAP achievement...

Better oxycodone prescribing (Med chart review Mar 05 v Mar 07)



SOAP achievement...

- Ongoing CE
- > aware of oxycodone prep,
immediate report of mishap (2007)
- No incident report so far...



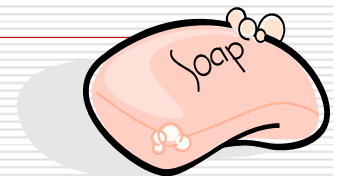
Sustainability:

Monitor incident (AIMS) reports

Active Clinical Pharmacists involvement

Continuous Prescription Audits

PDSA quality cycle if incident occurs



Finally...

Not a unique problem in AHS

- WA hospitals
- Eastern States too
- Other hospital to also initiate SOAP

