## Presented by:

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## Introduction

- Observations by obstetricians
  - Increasing incidence of babies suffering from
    - HIE (Hypoxic Ischaemic Encaphalopathy),
    - Low apgars
    - RDS (Respiratory distress syndrome) in Northdale Hospital
- Statistics revealed
  - 7 cases in April, 11 in May and 16 in June this year.
- It was postulated that this could be due to poor recording of the maternity case record particularly the partogram.

#### KWAZULU-NATAL PROVINCIAL ADMINISTRATION

#### MATERNITY CASE RECORD

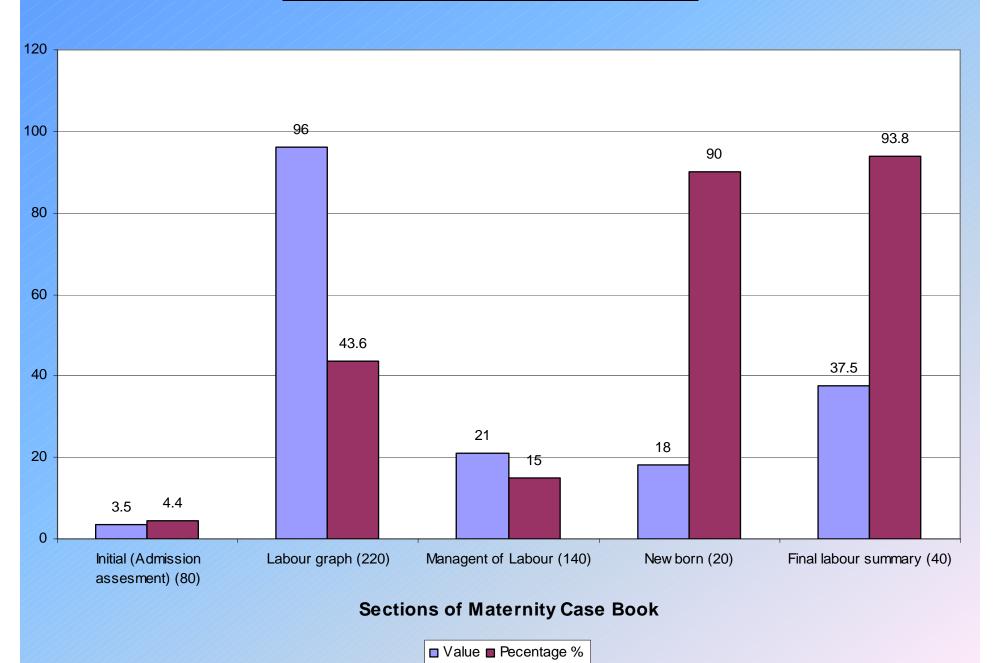
Type of case PPP FPP PP SP PP BASIC PARTICULARS RELATING TO PATIENT SURNAME: FIRST NAMES: IDENTITY NO .: MARITAL STATUS: MARRIED WIDOWED SINGLE DIVORCED TELEPHONE NO .: RESPONSIBLE RELATIVE DATE OF BIRTH PHONE: ADMITTED DISCHARGED CLINIC: Cat No. 23-14801/0. No. N 0714676/12 2005/Standard Printers

#### Summary of labour record review

1103pital/Cilli	lospital/Clinic: Municipality:														Date:								
	Record #	1	2	3	4	5	6	7	8	1	0.00-	Non-Sel		1	1000	15	16	17		-	1	Total	Sub
	Item #			-		-			~	-			1 600	10	17	10	10	11	10	13	20	rotal	lotai
Initial (admission) assessment	1 ANC record reviewed					_				-		77	_		-		_	_		_	_		
	2 Initial assessment form complete			-		-	-		-	-	-	-	-	-	-	-	200	-	-	-	_		-
	3 Decision on diagnosis and mx			-		-		-	-	•	-		-	-	******	2112	-	-	-	-	_		-
	4 Initial assessment double checked					-				1	-	-	-		-	-		-	-	-	-		4
Labour graph	5 Risk status recorded							-		-			-			-	-	-	-	_	_	-	-
	6 FHR 1/2 hrly	_	_			-				-	-				-	-	-	-	-		-		
	7 State of liquor		-		-		-			-	-			-	-	-	-			-	-		-
	8 Degree of moulding on PV		-			-			-				-	-	-		-	-			-		-
	9 Contractions 1/2 hrly								-				-	-					-				
	10 Dilatation: LP4hrly AP1/2hrly							-				-						-			-		-
	11 Dilatation plotted correctly												-				-		-				
	12 Level of head 4hrly												-	-	-	9 7			-		-		-
	13 Maternal BP and pulse hrly										-					-	-			-	-		
	14 Maternal T <sup>0</sup> and urine 4hrly															-	-			P. T.			1
	15 Record of drugs and IV fluids													-		-			-				122
Management of labour	16 Management recorded 4 hrly								_										100		-	210000	_
	17 Summary of fetal condition						_							-	-	-					-	-	1000
	18 Summary of labour progress														1972	1			150				9
	19 Summary maternal condition							7							737			1100		-	100	7	-
	20 Decision on further action				-					200											-		
	21 Time of next review														2.7		1						7.7
	22 Double-checking 4hrly							13						811	-	10.00		HE		1			
Newborn	23 Form completed	347																_		_		-	
Final summary	24 Summary of labour completed															-	_	_	1	_	-		_
	25 Active management of 3rd stage																						-
	Total score										1												
			-		-	-				_	-	-			_	_	_	-		-	_		
Trops	Percentage (Total X 4)									Silver	La se		0.00			St.	Supplie	2511					8

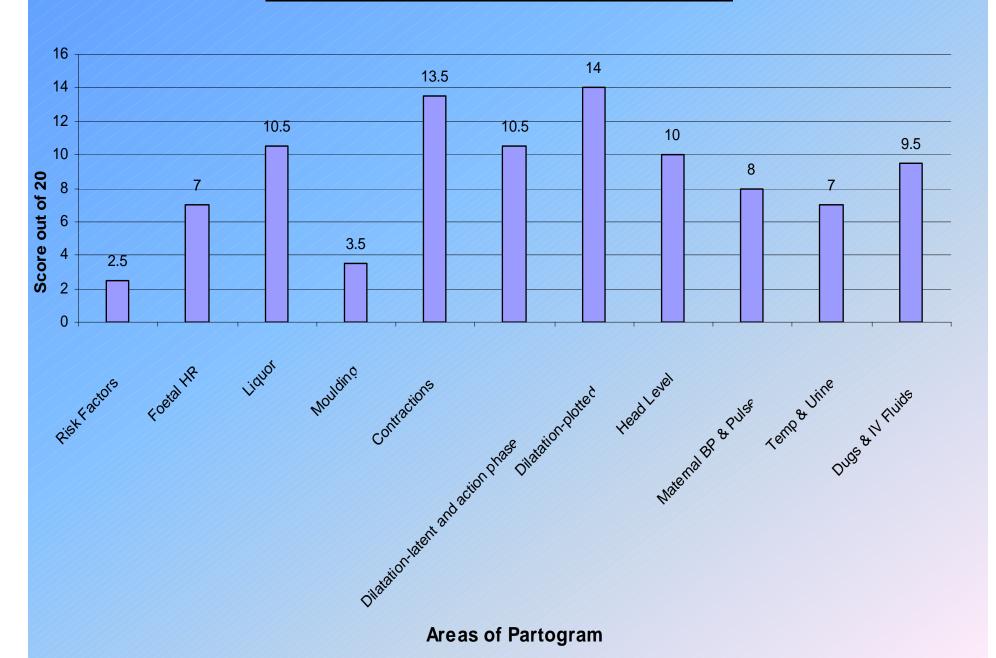


#### **Results of Initial Labour Review**



- Initial Assessment
  - Reason for low score
    - Developed and use their own admission form
    - Mid wives complete form so no double checking
- Management of Labour
  - Completed by Doctors
    - No explanation has been forwarded
- Newborn assess and Labour summary
  - Highest score

#### **Results of of Initial Partogram Review**



#### Scores below 50 %

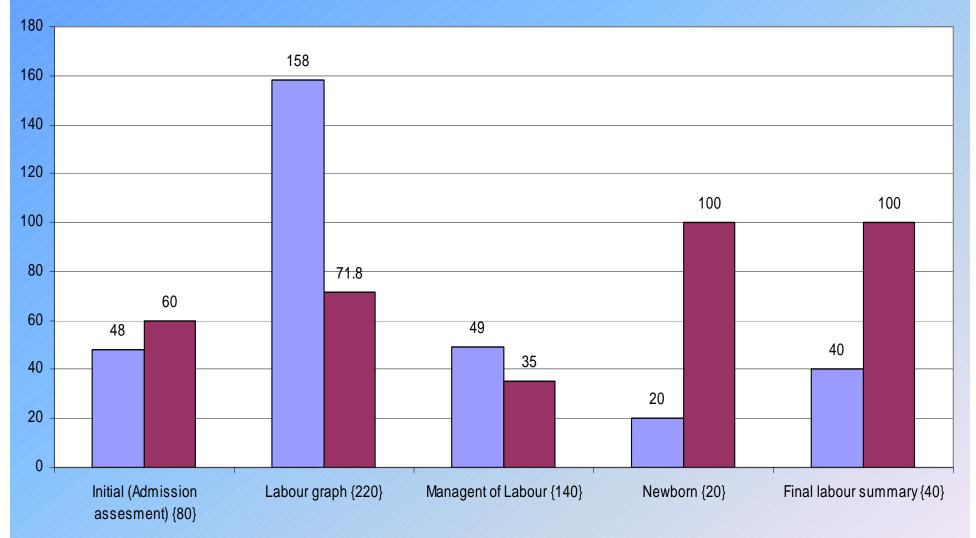
- Risk factors,
- Foetal HR, (½ hrly monitoring)
- Moulding,
- Maternal BP & Pulse, (hrly monitoring)
- T & Urine, (value & volume)
- Drugs & IV Fluids

#### Scores above 50 %

- Liquor,
- Contractions,
- Dilatation
- Head levels



#### **Results of Record of Labour Post Training**

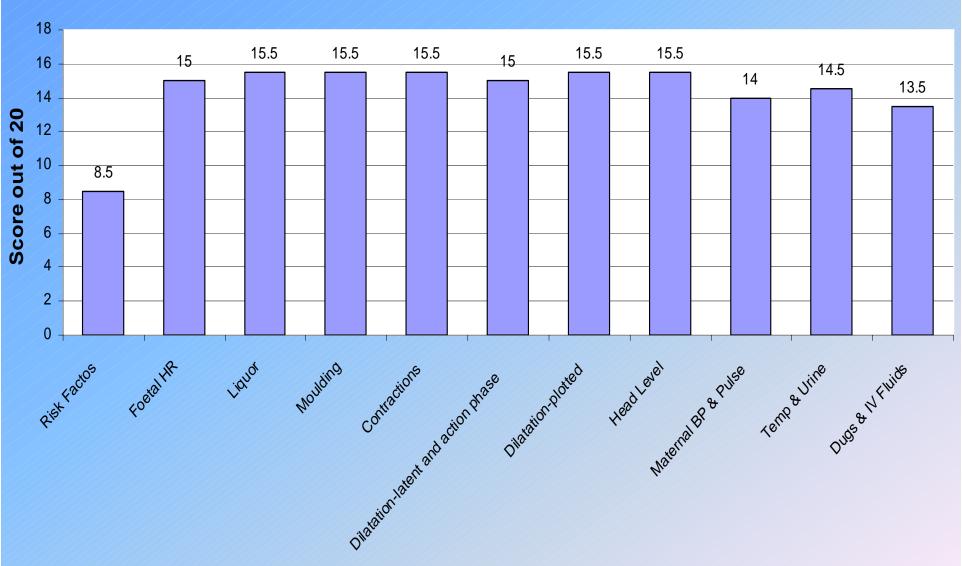


**Sections of the Maternity Case Book** 

■ Value ■ Percentage %

- Initial Assessment
  - Expectation 100% (incl of Nurse Form)
    - Finding 60%
      - Due to NO double checking and fully dilated patients
- Labour Graph
  - Expectation 100%
    - Finding 71.8%
      - Due to fully dilated patients not plotted

#### **Results of Partogram Post Training**

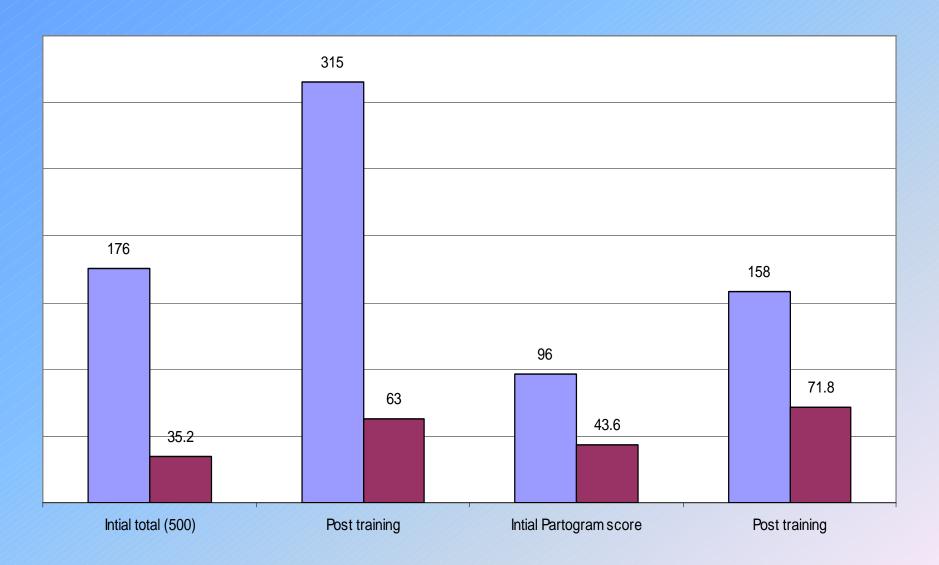


**Areas of the Partogram Scored** 

- Areas still below 50%
  - Risk Factors

 All partograms fully completed, however did not reach 100% because 5 patients (out of the 20) presented fully dilated

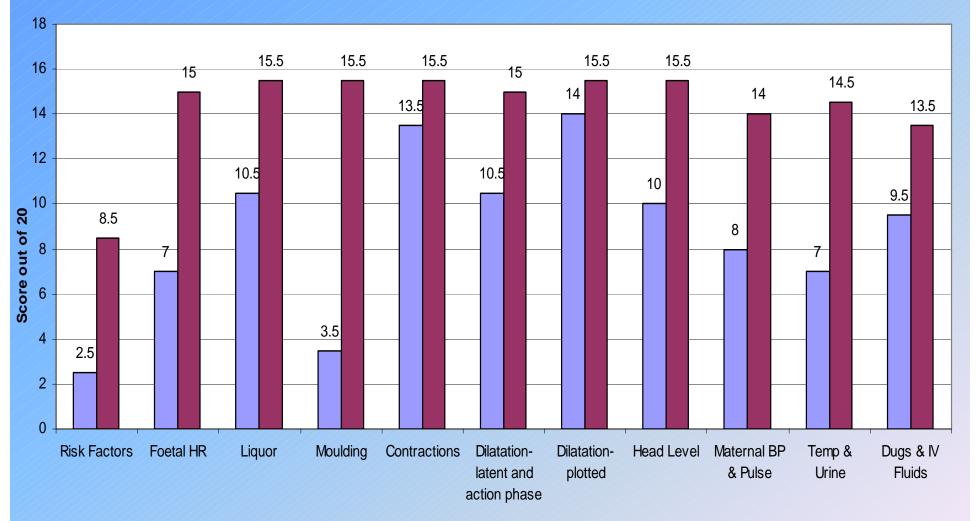
### **Summary of Results of Audit**



**Score and Percentage given** 

 100% improvement with all scores almost doubling post training session

#### **Comparison of Results of Partogram**



#### **Areas of the Partogram**

■ Before ■ After

## Conclusion

- "Use of partogram allows for early identification of problems and intervention."
- Poor record could possibly be having a direct influence on the increased incidence of neonatal complications.
- Contributing factor to poor record keeping is staff shortages

## Recommendations

- Continue with the morning teaching with inclusion of partogram and aspects of maternity case book
- Use of standard guidelines
- Incorporation of more sheets for documentation in the maternity case book
- Review admission form in maternity case book

# Acknowledgements Acknowledgements