

CONTRIBUTION OF PRETERM AND PRETERM WITH LETHAL CONGENITAL MALFORMATION TOWARDS STILLBIRTH RATE FROM MALAYSIAN TERTIARY HOSPITALS.



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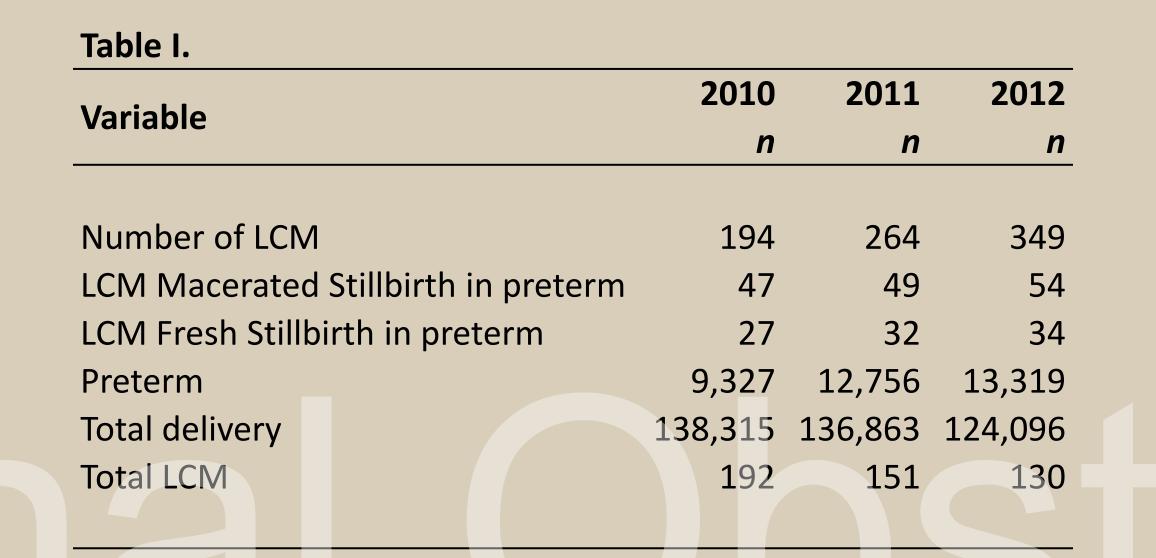
INTRODUCTION

The objective of this paper was to see if stillbirth from preterm contributed significantly to the overall stillbirth rate as well as if lethal malformations (LCM) congenital affected stillbirth rates both in preterm deliveries and in term deliveries.

METHODS

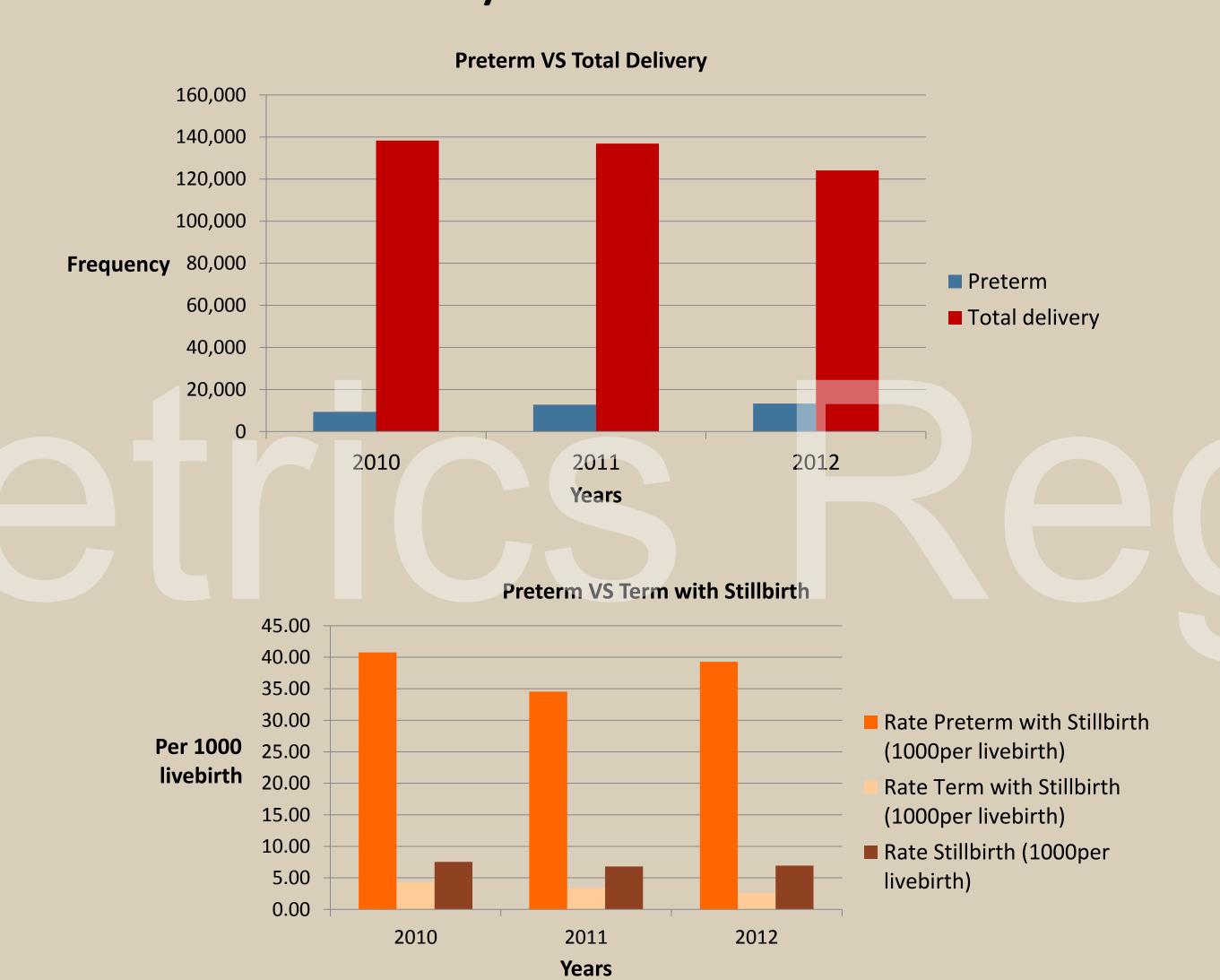
This is a retrospective cohort study from the National Obstetric Registry (NOR) from 1st January 2010 to 31st December 2012. NOR in an online database that captures data from 14 tertiary hospitals in Malaysia. During the three years there were a total of 397,521deliveries with 2,835 cases of stillbirth. The total preterm deliveries in this period was 41,923.

Chi squared test was used to analyse.





	2010	2011	2012
LCM Stillbirth in Preterm	74	81	88
Preterm	12,315	14,967	14,641
LCM Stillbirth in Preterm (1000per livebirth)	7.93	6.35	6.61
LCM Stillbirth in Term	20	26	26
Term	126,000	121,896	109,455
LCM Stillbirth in Term (1000per livebirth)	0.16	0.21	0.24



	2010	2011	2012
Preterm with Stillbirth	502	517	575
Preterm	12,315	14,967	14,641
Rate Preterm with Stillbirth (1000per livebirth)	40.76	34.54	39.27
Term with Stillbirth	541	414	286
Term	126,000	121,896	109,455
Rate Term with Stillbirth (1000per livebirth)	4.29	3.40	2.61
overall Stillbirth	1,043	931	861
Total delivery	138,315	136,863	124,096
Rate Stillbirth (1000per livebirth)	7.54	6.80	6.94

RESULTS

Preterm accounted for 6.7%, 9.3% and 10.7% of all births during 2010-2012. In 2010-2012 the stillbirth rate was 7.5, 6.8 and 6.9 per 1000 live births. Stillbirth in preterm during 2010-2012 was 1.93, 2.5 and 3.5 per 1000 live births. LCM in preterm causing stillbirth was 7.9 (2010), 6.34(2011) and 6.60(2012) per 1000 live births. Overall preterm in relation to stillbirth had p value <0.001(2010-2012).Total LCM contributing to stillbirth from 2010-2012 had a p value of 0.054, 0.104 and 0.143.

CONCLUSION

The National Perinatal mortality rate reported in 2009 and 2010 was 7.6 and 7.8 per 1000 live births. Stillbirth rate in 2010 from NOR was similar to the National average. Preterm causing fetal death was significant statistically LCM contribution towards preterm stillbirth and overall stillbirth rate was statistically not significant.