

## Adherence to WHO recommendations for intrapartum care in Mexico: An observational study of 208 births in public and private clinical settings in nine States.



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Background: Mexico's Health Law provides a normative framework to regulate procedures of institutional maternal healthcare provision to ensure evidence-based quality care during pregnancy, birth and postpartum period to all women and their newborns. Despite a long established and comprehensive mandate, national and state level statistics on actual maternal health services coverage and utilization have only relatively recently become available, indicating modest but sustained progress over the last decade. Along with increased availability and access, tracking advances in quality of care is paramount to assessing the impact of public policy aimed at improving maternal and infant health outcomes and reducing health disparities. Nevertheless, systematic evaluation of the quality of maternal health care provision, particularly during childbirth in healthcare facilities is scarce, with those incorporating women-centered outcomes almost non-existent. The scant available evidence limited to only a handful of states in the country suggest very low rates of compliance with WHO and official norms guidelines.

**Aims:** To document the WHO recommended practices for intrapartum care in a convenience sample of 22 public and private health facilities in nine Mexican states. Compare prevalent practices in public and private settings.

TABLE 1. DESCRIPTIVE SAMPLE	PRIVATE	PUBLIC	TOTAL
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(% of private births)		(% of all births)
Institutions			
	19	81	
n	40	168	208
Age group			
under 17 yrs	5	10	9
18-20 yrs	0	23	18
21-30 yrs	47	50	50
31-40 yrs	47	16.5	22
Occupation			
Student	5	2	3
Unpaid work (home maker/carer)	45	89	76
Paid work (employed/selfemployed)	50	14	21
Parity			
Primiparous	41	47	48
Multiparous	59	53	52
Estimated pregnancy weeks since last			
menses			
Preterm <37 wks	6	6.5	6
Full term >37 wks	94	93	94

TABLE 6. EFFECTIVE COMMUNICATION AND RESPECTFUL CARE	PRIVATE	PUBLIC
(According to observer's perception)	(% of private births)	(% of public births)
Management of the second of th	0.4	22
Women were generally consulted before interventions	84	32
Women were generally treated with respect	90	42
Women were asked for informed consent	90	56
When students/trainees were present, were women asked for their consent	66	20
Medical staff called the woman by her name	95	70
Medical staff asked whether women had any questions/concerns	95	35
Medical staff informed woman about her progress	93	61
Medical staff treated women empathetic	83	42
Woman was treated in a considerate way by medical staff	78	53
Woman was not treated indiferently	92	53
Woman was treated without agression	97	89
Woman was treated without contempt	95	90
Woman was not discriminated	97	96 
Woman's experience was free of violence	92	64
The type of violence experienced was:		
physical violence	33	33
physical and verbal violence	0	7
psychological and emotional violence	66	47
verbal violence (insults, humiliations)	0	13

TABLE 2.CONDITIONS IN HEALTH FACILITY		PRIVATE	PUBLIC	
			(% of public births)	
Type of accomodation				
	shared room (up to 8 beds in a room)		73	
	private room (single bed)	100	27	
Facilities in health facility				
	UCI	83	66	
	Newborn nursery		48	
	Mandatory Rooming-in	25	92	
Ammenities				
	WC available	95	50	
	Shower available	75	30	
	Bathtub	15	4	
Lighting				
	Natural	63	5	
	Artificial	30	95	
	Poor	5	0.5	
Ventilation				
	Good	83	72	
	Poor	18	26	
Temperature				
	High (hot)	15	10	
	Comfortable	83	80	
	Low (cold)	3	10	
Noise level				
	Acceptable	98	71	
	Uncomfortable		35	
Space for woman to walk				
	Enough space to walk freely	85	67	
	Restricted; only around the bed		31	
	No space to walk		2	

## Take home messages

- ❖ Differences in sociodemographic characteristics of users of private and public health facilities are evident: women in public clinics are younger, less likely to be in paid employment, their age at first birth is younger, parity and rates of adolescent pregnancies higher. No apparent higher risk of prematurity is observed.
- ❖ In the health facilities surveyed, adherence to WHO recommendations tends to be better in private compared to public clinics.
- Women's satisfaction with the quality of intrapartum care is higher in private vs public users.
- ❖ Observers' perceptions about the quality of care received by women in public facilities often contrast with women's own assessment; women tend to rate their experience comparatively higher and more satisfactory. Nevertheless, public healthcare users are half as likely to report that their expectations for care during birth were met compared to women in private health facilities.

**Methods:** Direct observation of 208 births was conducted by 16 independent trainees who participated as doulas with the birthing women's informed consent. After the birth, observations were filed in relation to health facilities characteristics, labour onset, practices and interventions during labour and birth, newborn care, effective communication, respectful and dignified care, informed choice and women's assessment of quality of care. Sample descriptives and prevalence rates for each indicator were calculated and categorized into colour-coded quartiles according to degree of compliance with WHO recommendations. (Q1-red- lowest compliance; Q2-orange-Q3-yellow,Q4-green-highest compliance).



Results: A total of 208 births 81% (n=168) in public and 19% (n=40) in private health facilities were observed. One third of were recorded in Mexico City and 2/3 in the remaining 8 States; 67% of births occurred in maternity clinics and 32% in general hospitals. All births were singletons, 94% full term. Participant women were aged 14-40 years old, 53% were primiparous and only 25% engaged in paid work. All births bar one resulted in live births; no negative maternal outcomes were reported. Women's sociodemographic data, facilities' characteristics (Table 1 & 2) and intrapartum care indicators (Tables 3-6) differ between private and public clinics; table 7 shows women's perspectives of quality of care.

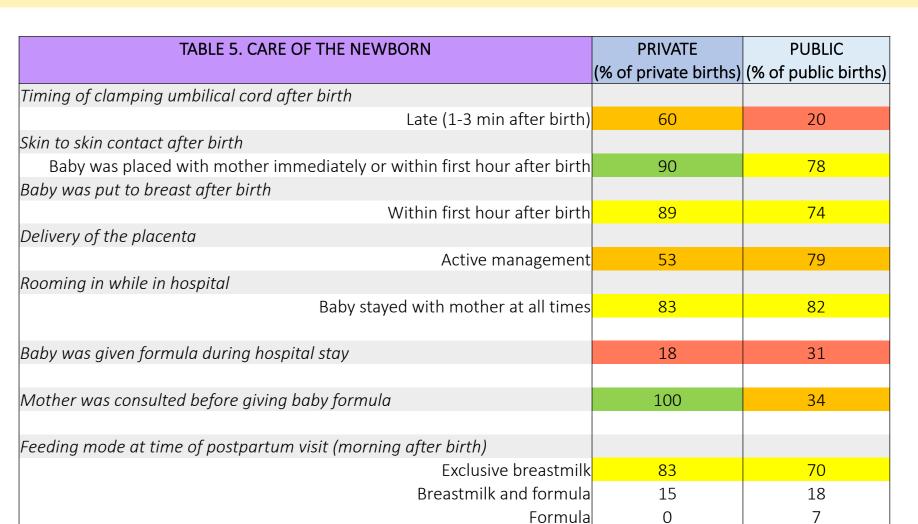


TABLE 3. LABOUR ONSET	TOTAL (% of all births)	
Most common reason for attending hospital on day of birth? % of all births		
Signs with spontaneous onset of labour	79	
Contractions	52	
Mucus expulsion	24	
Colic	19	
Membranes ruptures	16	
Light bleeding	12	
Pain or malaise related to pregnancy	8	
Scheduled appointment	7	
Place where contractions started- % of all births		
Hospital	43	
Street	1	
Home	53	
Labour phase on arrival to hospital- % of all births		
Latent phase (0- 6cm) dilation	71	
Active phase (6-8 cm) dilaton	21	
Transition phase (8-10 cm) dilation	6	
Expulsion phase	0.5	
What happened when woman arrived in hospital- % of all births		
Woman not admitted to hospital, asked to come back later	11.5	
Woman had to wait a considerable time (> 1h) before being		
admitted	6	
Woman admitted to hospital and guided to labour/expulsion		
room	81	

TABLE 7. WOMAN'S PERSPECTOVE OF QUALITY OF INTRAPARTUM CARE	PRIVATE (% of private births)	PUBLIC (% of public births)
General experience		
positive/satisfactory	95	87
Care by health providers		
satisfactory	100	83
Medical attention received		
satisfactory	100	89
Health facilities		
positive	95	91
·		
Woman's expectations were met	75	35

## Strengths and limitations

Relatively small sample, unbalanced, not randomly collected and not representative of the range of public and private institutions that provide maternity services in the country. Nevertheless, this observational study provides an independent snapshot of the current situation and provides the basis for future more representative studies.

analyses of certain practices and routinary interventions show signs of favourable change, likely the result of integrated efforts at the local and structural levels.

Nevertheless, there remain areas such as communication and respectful care where further work is needed to ensure a positive childbirth experience to all women, particularly in public facilities.