



CLINICAL ARTICLE

Perinatal risk for common mental disorders and suicidal ideation among women in Paraguay

Kanako Ishida^{a,*}, Paul Stupp^a, Florina Serbanescu^a, Edgar Tullo^b^a Division of Reproductive Health, Centers for Disease Control and Prevention, Atlanta Georgia, USA^b Department of Investigation and Evaluation, Paraguayan Center for Studies of Population, Asunción, Paraguay

ARTICLE INFO

Article history:

Received 8 February 2010

Received in revised form 26 March 2010

Accepted 26 March 2010

Keywords:

Common mental disorders

Low-resource country

Mental health

Paraguay

Population-based study

Suicidal ideation

ABSTRACT

Objective: To examine the association between mental health problems among pregnant women and those in the postpartum period using a nationally representative sample of 6538 women aged 15–49 years from the National Survey of Demography and Sexual and Reproductive Health in Paraguay. **Methods:** The predicted probabilities (PP) of common mental disorders (CMD) and suicidal ideation were assessed using the Self-Reporting Questionnaire (SRQ-20) and logistic regression models. **Results:** No evidence was found of an increased risk for mental health problems associated with being pregnant or in the postpartum period alone. The risk for CMD during pregnancy and the postpartum period and for suicidal ideation during pregnancy was significantly greater when the pregnancy was unintended. In addition, unintentionally pregnant women who had neither been in a union nor had a child were at a significantly higher risk for CMD and suicidal ideation compared with non-pregnant and non-postpartum women (PP: 0.54 versus 0.21 for CMD risk and 0.15 versus 0.02 for suicidal ideation). However, there were no significant differences by marital status among postpartum women. **Conclusion:** The significant effects of pregnancy intention and marital status highlight the importance of psychosocial, rather than physiological, contexts in which women experience pregnancy and childbirth.

Published by Elsevier Ireland Ltd. on behalf of International Federation of Gynecology and Obstetrics.

1. Introduction

Most studies on perinatal mental health problems are conducted in high-income countries and, despite the significant association between poor mental health and poverty [1], few similar studies have been conducted in low-income countries. However, our understanding of the perinatal risk for maternal mental health problems needs to be improved since evidence from low-income countries shows that mental disorders can compromise the physical health of the mother during pregnancy—resulting in higher risks for prolonged labor [2] and low birth weight [3]—and her ability to care for the infant after birth, resulting in malnutrition of the infant [4]. In addition, although pregnant women are generally at a lower risk for depression compared with postpartum women [5] or with the general population [6], mental health problems during pregnancy can be precursors of postpartum depression [7], and identifying and treating these problems during pregnancy are important for preventing depression beyond childbirth.

The lack of appropriate data on mental health status has been an obstacle to identifying a high-risk group in low-income countries in

general and establishing the prevalence of mental health problems among women in the perinatal period in particular [8]. Previous studies have generally been based on small, non-representative samples, including special populations, such as those that have sought antenatal care or delivery assistance in hospitals. Because healthcare use is closely associated with characteristics such as high socioeconomic status of the woman [6], the ability to generalize the results has been limited.

The aim of the present study was to examine whether pregnancy and the postpartum period are significantly associated with poor mental health, using a nationally-representative sample of women aged 15–49 years in Paraguay. Two measures of mental health status were used: common mental disorders (CMD) and suicidal ideation. Psychosocial contexts and obstetric characteristics of pregnancy and childbirth, including marital status, pregnancy intention, gestational age, time since delivery, type of delivery, and breastfeeding practices, were taken into account to explore the relative importance of physiological versus psychosocial factors on mental health status and to help to develop effective prevention strategies.

2. Materials and methods

The data used were from the National Survey of Demography and Sexual and Reproductive Health (ENDSSR), which was conducted in 2008 by the Paraguayan Center for Studies of Population (CEPEP) with

* Corresponding author. Division of Reproductive Health, Centers for Disease Control and Prevention, 4770 Buford Hwy NE, Mail stop K-23, Atlanta GA 30341, USA. Tel.: +1 770 488 5981; fax: +1 770 488 6242.

E-mail address: kishida@cdc.gov (K. Ishida).

Table 1
Bivariate associations between selected obstetric, demographic, and socioeconomic variables and CMD risk and suicidal ideation among women in Paraguay aged 15–44 years, ENDSSR 2008 (n = 6538).

Characteristics	Weighted percentage of women with CMD risk		Weighted percentage of women with suicidal ideation		Unweighted No. (weighted %)
	(95% CI)		(95% CI)		
Pregnancy and its characteristics					
Currently pregnant					
Yes	33.6 ^a	(26.7–41.3)	4.7	(1.3–16.0)	302 (3.9)
No	25.8 ^a	(24.2–27.3)	3.6	(3.1–4.3)	6236 (96.1)
	P=0.026		P=0.680		6538 (100.0)
Among pregnant women					
Gestational age					
1st trimester	48.4 ^a	(35.0–62.0)	9.5	(1.6–4.0)	94 (36.4)
2nd trimester	24.4 ^a	(15.8–35.6)	2.6	(1.0–6.8)	125 (39.4)
3rd trimester	26.4 ^a	(16.6–39.2)	1.1	(0.2–7.7)	83 (24.3)
	P=0.007		P=0.112		302 (100.0) ^b
Pregnancy unintended					
Yes	48.2 ^a	(34.5–62.1)	11.6 ^a	(2.8–37.3)	107 (36.9)
No	25.1 ^a	(18.3–33.4)	0.7 ^a	(0.2–2.9)	195 (73.1)
	P=0.005		P<0.001		302 (100.0) ^b
Marital status					
In a union	28.1 ^a	(21.7–35.6)	1.2 ^a	(0.4–3.2)	261 (80.9)
Previously in a union	43.2 ^a	(20.0–69.8)	5.8 ^a	(0.9–32.6)	16 (5.5)
Never in a union	62.2 ^a	(34.4–83.8)	25.2 ^a	(4.8–69.4)	25 (13.7)
	P=0.019		P<0.001		302 (100.0) ^b
Postpartum and its characteristics					
Currently postpartum					
Yes	23.9	(20.4–27.7)	0.2	(1.2–3.8)	649 (9.0)
No	26.3	(24.7–27.9)	3.8	(3.2–4.6)	5891 (91.0)
	P=0.224		P=0.065		6538 (100.0)
Among postpartum women					
Time since delivery, mo.					
0–4	23.9	(18.6–30.2)	1.6	(0.5–5.1)	247 (37.3)
5–9	21.5	(15.8–28.6)	2.4	(0.9–5.9)	201 (32.2)
10–12	26.2	(19.4–34.4)	2.6	(1.0–6.6)	201 (30.5)
	P=0.634		P=0.783		649 (100.0) ^b
Pregnancy unintended					
Yes	33.5 ^a	(26.2–41.7)	2.5	(0.1–5.9)	209 (33.8)
No	18.9 ^a	(15.2–23.4)	2.0	(0.9–4.3)	440 (75.2)
	P<0.001		P=0.727		649 (100.0) ^c
Cesarean delivery					
Yes	21.7	(17.0–27.3)	2.2	(1.0–4.8)	322 (50.7)
No	26.1	(20.8–32.1)	2.1	(0.9–4.9)	327 (49.3)
	P=0.280		P=0.958		649 (100.0) ^c
Low birth weight neonate					
Yes	35.9	(21.8–53.0)	0.0	(n/a)	52 (8.5)
No	22.7	(19.2–26.7)	2.4	(1.3–4.2)	597 (91.5)
	P=0.082		P=0.286		649 (100.0) ^c
Currently breastfeeding					
Yes	24.1	(20.0–28.7)	1.5	(0.6–3.4)	497 (73.5)
No	23.2	(15.9–32.6)	4.1	(1.9–8.6)	152 (26.5)
	P=0.866		P=0.066		649 (100.0)
Marital status					
In a union	22.9	(19.0–27.2)	2.2	(1.2–4.2)	542 (80.1)
Previously in a union	38.5	(23.9–55.5)	2.7	(0.4–16.5)	57 (9.1)
Never in a union	19.0	(9.2–35.2)	10.7	(0.2–7.5)	52 (10.8)
	P=0.114		P=0.795		649 (100.0) ^c
Demographic/socioeconomic					
Age, y					
15–19	25.4	(22.8–28.2)	5.6 ^a	(4.3–7.1)	1390 (22.9)
20–24	25.9	(22.7–29.3)	5.1 ^a	(3.6–7.3)	1259 (21.2)
25–29	25.5	(22.8–28.4)	2.3 ^a	(1.4–3.5)	1220 (18.2)
30–34	23.8	(20.7–27.3)	2.3 ^a	(1.2–4.1)	1030 (14.3)
35–39	28.6	(25.2–32.3)	2.9 ^a	(1.8–4.6)	896 (12.2)
40–44	28.6	(24.7–32.8)	1.9 ^a	(0.8–4.3)	743 (11.3)
	P=0.321		P<0.001		6538 (100.0)
Marital status (total)					
In a union	26.3 ^a	(24.6–28.0)	2.6 ^a	(2.1–3.3)	3947 (53.9)
Previously in a union	36.5 ^a	(31.9–41.3)	6.0 ^a	(4.0–8.9)	669 (10.7)
Never in a union	22.6 ^a	(20.2–25.1)	4.5 ^a	(3.4–6.0)	1922 (35.4)
	P<0.001		P<0.001		6538 (100.0)
Educational attainment, y					
0–5	34.2 ^{a*}	(30.6–37.9)	4.0	(2.7–5.8)	1027 (13.0)
6	29.1 ^a	(26.2–32.2)	3.0	(2.1–4.3)	1302 (18.1)
7–11	27.9 ^a	(25.5–30.4)	4.7	(3.6–6.0)	1921 (29.8)
12	24.2 ^a	(20.8–28.0)	4.2	(2.6–6.5)	1032 (17.6)

Download English Version:

<https://daneshyari.com/en/article/3954472>

Download Persian Version:

<https://daneshyari.com/article/3954472>

[Daneshyari.com](https://daneshyari.com)