

An Assessment of Mortality pattern due to Covid and Non Covid causes among Pregnant Attending Tertiary Care Covid Hospital in Andhra Pradesh: a Retrospective Study

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Background

- Pregnant women infected with the severe acute respiratory syndrome Coronavirus 2 (SARS-CoV-2) may be asymptomatic or symptomatic.
- Those who are symptomatic appear to be at increased risk of developing severe sequelae of corona virus disease 2019 (COVID-19) compared with nonpregnant reproductive aged females
- In the COVID-19 pandemic, the precise extent of the risks in pregnancy was uncertain, which effected pregnant individuals.

Objectives

- The objective of this study was to assess the effect of a major public health crisis (COVID-19) on maternal mortality among pregnant and postpartum women

Materials and Methods

- This Retrospective cross section study conducted in Obstetric and Gynaecology Department, Government General Hospital, Guntur Andhra Pradesh from April 2020 to September 2021.
- Infected women was identified Immediately after admission, at any stage of Pregnancy or delivery, and Women and Neonates were followed up until hospital discharge

Results

From April 2020-March 2021

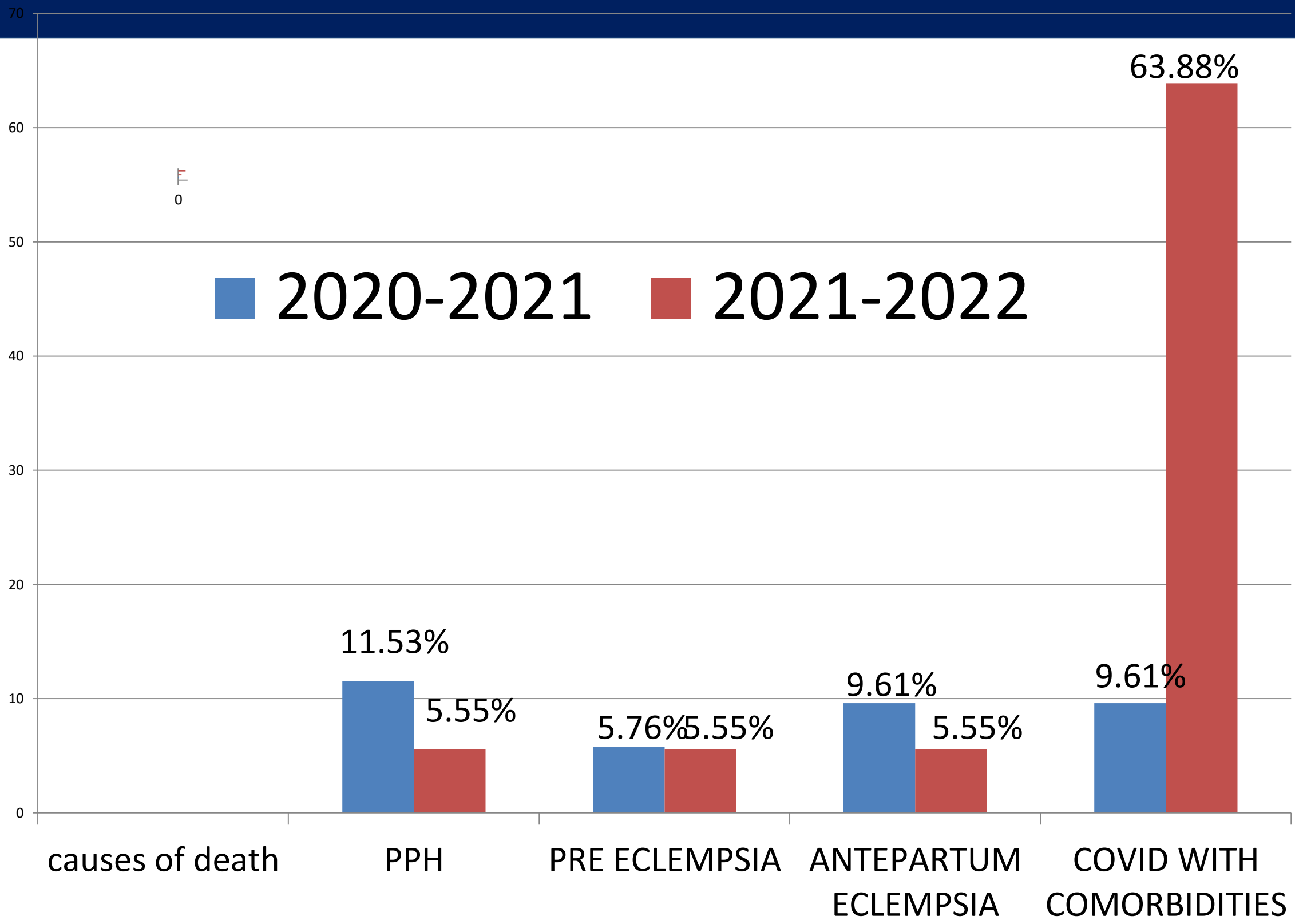
1.AGE WISE		2. GESTATION		3. ABSTRACT		4. AREA WISE		1.PLACE OF DELIVERY		2. TYPE OF DELIVERY		3. PLACE OF BIRTH	
Below 18 years	0	Antenatal Deaths	14	Preventable	19	Rural	33	Govt. Institutions	24	Normal	14	Government	42
18-25 Years	29	Intranatal Deaths	0	Nonpreventable	33	Urban	19	Pvt. Institutions	13	LSCS	24	Private	9
26-30 Years	19	Postnatal Deaths	38	Up to Feb-21				Transit	0	Not Delivered	11	Transit	1
Above 30 Years	4							Home	1	Abortion	3	Home	0
TOTAL	52	TOTAL	52	TOTAL	52	TOTAL	52	TOTAL	38	TOTAL	52	TOTAL	52

- It was observed that 52 maternal deaths occurred in 2020 to 2021 and among these 29 (55.7%) below 25 years, 33(63.4%) non preventable, 33(63.4%) from rural background. It was also noticed that 23(44.2%) were primi, 38(78%) Postnatal deaths and 24(46.1%) with LSCS.

From April 2021-Sept 2021

1.AGE WISE		2. GESTATION		3. ABSTRACT		4. AREA WISE		1.PLACE OF DELIVERY		2. TYPE OF DELIVERY		3. PLACE OF BIRTH	
Below 18 years	0	Antenatal Deaths	18	Preventable	6	Rural	22	Govt. Institutions	16	Normal		Government	35
18-25 Years	22	Intranatal Deaths	0	Nonpreventable	30	Urban	14	Pvt. Institutions	2	LSCS		Private	1
26-30 Years	11	Postnatal Deaths	18	Upto Sept-21				Transit	0	Not Delivered		Transit	0
Above 30 Years	3							Home	0	Abortion		Home	0
TOTAL	36	TOTAL	36	TOTAL	36	TOTAL	36	TOTAL	18	TOTAL		TOTAL	36

- Whereas in April 2021 to September 2021, total Maternal Deaths were 36, among them 22(61.1%) were primi, 18 (50%) Antenatal deaths.



- Leading cause of deaths in 2020 to 2021 were PPH-6(11.5%), Eclampsia-5(9.61%), and COVID-5(9.61%)
- In next following 6 months COVID with associated Comorbidities-23(63.9%) was the major cause followed by PPH(5.5%), Pre-eclampsia and Eclampsia.

Conclusions

- COVID-19 with comorbidities in pregnancy was associated with consistent and substantial increases in severe maternal mortality.
- Knowing these risks, it is essential to inform decision-makers and guide clinical recommendations for the management of COVID-19 with associated Comorbid Conditions in pregnant women.