

Supplementary Materials for

Antenatal care services and pregnancy outcomes during the COVID-19 pandemic in Milan, Lombardy, Italy

Margaret Mascherpa, Carlotta Buzzoni, Maria Teresa Greco, Maria Grazia Valsecchi and Antonio Giampiero Russo

Corresponding author:

Margaret Mascherpa, SC Unità di Epidemiologia, Agenzia di Tutela della Salute, Città Metropolitana di Milano, Via Conca del Naviglio 45, 20123 Milan, Italy. E-mail: mamascherpa@ats-milano.it.

Published on

Ann Ist Super Sanità 2025 Vol. 61, No. 2: 116-124
DOI: 10.4415/ ANN_25_02_04

This PDF file includes:

Supplementary Table 1. Distribution of abortions (with TOPs and ectopic pregnancies according to designated treatment) and birth outcomes in the study period. Data from both administrative and self-reported sources

Supplementary Table 2. Distribution of routine obstetric care in the study period

Supplementary Table 1
 Distribution of abortions (with TOPs and ectopic pregnancies according to designated treatment) and birth outcomes in the study period. Data from both administrative and self-reported sources

ABORTIONS (ALL)	2019 (n=6,953)	2020 (n=4,999)	p value
TOPs	3,504 (50.4%)	2,428 (48.6%)	0.06
Medical TOP	134 (3.8%)	117 (4.8%)	
Surgical TOP	3,370 (96.2%)	2,311 (95.2%)	
Miscarriages	3,268 (47%)	2,389 (47.8%)	0.2
Ectopic pregnancies	181 (2.6%)	182 (3.6%)	
Medical treatment	68 (37.5%)	56 (30.8%)	
Surgical treatment	113 (62.5%)	126 (69.2%)	
BIRTHS	2019 (n=23,115)	2020 (n=20,616)	p value
Birthweight	3,254.1-495.3	3,263.5-496.5	0.05
Gestational age at birth			0.02
Preterm (<37 wks)	1,370 (5.9%)	1,120 (5.5%)	
Term (>37 wks)	21,684 (94.1%)	19,464 (94.5%)	
Outcome			0.02
Livebirths	22,961 (99.82%)	20,530 (99.9%)	
Stillbirth	38 (0.16%)	15 (0.07%)	
NND	4 (0.02%)	6 (0.03%)	
Conception			0.8
Spontaneous	21,800 (94.9%)	19,482 (94.9%)	
ART	1,178 (5.1%)	1,039 (5.1%)	

TOP: termination of pregnancy; NND: neonatal death; ART: assisted reproduction technology.
 Data are presented as raw numbers and (column percentages), mean-standard deviation. Mann-Whitney U test for continuous variables, Chi-square test for categorical variables.

Supplementary Table 2

Distribution of routine obstetric care in the study period

ROUTINE OBSTETRIC CARE	2019 (n=30,007)	2020 (n=25,583)	p value
US examinations			
Administrative data	(n=22,599)	(n=19,245)	<0.001
Mean (SD)	3.7 (2.5)	3.5 (2.4)	
Median (IQR)	3 (2-5)	3 (2-5)	
Self-reported data	(n=21,228)	(n=18,957)	<0.001
Mean (SD)	5.8 (2.4)	5.9 (2.3)	
Median (IQR)	6 (3-8)	6 (4-8)	
First US examination (week)			
Administrative data	(n=20,514)	(n=17,821)	<0.001
Mean (SD)	15.8 (8.7)	16.2 (9)	
Median (IQR)	12 (10-20)	13 (10-20)	
ANC contacts			
Administrative data	(n=23,942)	(n=20,460)	0.045
Mean (SD)	4.7 (3.4)	4.6 (3.3)	
Median (IQR)	4 (2-7)	4 (2-7)	
Self-reported data	(n=21,118)	(n=18,881)	<0.001
Mean (SD)	7.2 (1.8)	7.2 (1.8)	
Median (IQR)	8 (6-9)	8 (6-9)	
First ANC contact (week)			
Administrative data	(n=20,369)	(n=17,969)	0.01
Mean (SD)	17.1 (11.2)	17.6 (11.4)	
Median (IQR)	12 (8-27)	12 (8-28)	
Self-reported data	(n=21,135)	(n=18,915)	<0.001
Mean (SD)	7.9 (3.5)	7.9 (3.7)	
Median (IQR)	7 (6-8)	7 (6-8)	
Invasive procedures			
CVS	931 (3.1%)	797 (3.1%)	0.8
Amniocentesis	634 (1.9%)	530 (2.1%)	0.7

Data are presented as mean (standard deviation), median (interquartile range), raw numbers and column percentages. US: ultrasound; SD: standard deviation; IQR: interquartile range; ANC: antenatal care; CVS: chorionic villous sampling.