

Appendix 1. Maternal Characteristics of Women Considered Positive for Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection by Trimester of Pregnancy

Characteristic	First and Second Trimesters (n=590)	Third Trimester (n=6,842)	Standardized difference*	p-value
Maternal age, years				0.628
<20	35 (5.9)	367 (5.4)	0.025	
20-34	450 (76.3)	5,334 (78.0)	-0.040	
≥35	105 (17.8)	1,141 (16.7)	0.030	
Race/Ethnicity [†]				<0.001
Non-Hispanic White	269 (45.6)	3,135 (45.8)	-0.005	
Non-Hispanic Black	125 (21.2)	1,331 (19.5)	0.043	
Hispanic	141 (23.9)	1,443 (21.1)	0.067	
Asian	15 (2.5)	197 (2.9)	-0.021	
Other	32 (5.4)	319 (4.7)	0.035	
Missing	8 (1.4)	417 (6.1)	-0.252	
Insurance type				<0.001
Public	369 (62.5)	4,565 (66.7)	-0.087	
Private	213 (36.1)	2,079 (30.4)	0.122	
None, self-pay, or other	8 (1.4)	198 (2.9)	-0.107	
Body mass index, kg/m ²				<0.001
≥30 (Obese)	255 (43.2)	2,358 (34.5)	0.180	
<30 (Non-obese)	307 (52.0)	4,126 (60.3)	-0.179	
Missing	20 (3.4)	216 (3.2)	0.013	
Asthma or COPD	81 (13.7)	693 (10.1)	0.111	0.007
Chronic hypertension	48 (8.1)	450 (6.6)	0.060	0.172
Pre-gestational diabetes	36 (6.1)	222 (3.2)	0.136	<0.001
Heart disease	37 (6.3)	380 (5.6)	0.030	0.527
High-risk SVI	129 (21.9)	1,287 (18.8)	0.076	0.079
Urban area	526 (89.2)	6,340 (92.7)	-0.122	0.003
Census Region				0.018
Northeast	56 (9.5)	941 (13.8)	-0.080	
Midwest	168 (28.5)	1,695 (24.8)	0.249	
South	280 (47.5)	3,234 (47.3)	0.004	

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West	86 (14.6)	971 (14.2)	0.011	
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Data are presented as n (%)

Abbreviations: COPD=chronic obstructive pulmonary disease; SVI=social vulnerability index

*Any value greater than 0.100 was considered significant and is bolded.

†Race or ethnic group was based on documentation in the electronic health record. This characteristic was examined because certain racial and ethnic groups have been identified to be at increased risk populations during the COVID-19 pandemic.

‡High-risk SVI is the top quartile of SVI values across the cohort.

Appendix 2. Pregnancy-Related Outcomes of Women Considered Positive for Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection by Trimester of Pregnancy

Outcome	First and Second Trimesters (n=590)	Third Trimester (n=6,842)	Standardized difference*	p-value
Birth Outcomes				
Preterm birth [†]	76 (12.9)	555 (8.1)	0.156	<0.001
Stillbirth	3 (0.5)	23 (0.3)	0.027	0.751
Birthweight				0.013
SGA	60 (10.2)	511 (7.5)	0.095	
AGA	503 (85.3)	5,880 (85.9)	-0.020	
LGA	27 (4.6)	451 (6.6)	-0.088	
Maternal Pregnancy-Related Outcomes				
HDP	112 (19.0)	1,101 (16.1)	0.076	0.078
Placental abruption	5 (0.8)	30 (0.4)	0.051	0.281
Cesarean birth	178 (30.2)	2,142 (31.3)	-0.025	0.599
PPH	27 (4.6)	226 (3.3)	0.065	0.129
VTE or PE	0 (0)	7 (0.1)	-0.045	0.938

Data are presented as n (%)

Abbreviations: SGA=small for gestational age; AGA=appropriate for gestational age; LGA=large for gestational age; HDP=hypertensive disorders of pregnancy; PPH=postpartum hemorrhage; VTE=venous thromboembolism; PE=pulmonary embolism

*Any value greater than 0.100 was considered significant and is bolded.

[†]Preterm birth is defined as birth before 37 weeks of gestation.

Appendix 3. International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnostic Codes

Variable	Diagnostic Code
Asthma or chronic obstructive pulmonary disease	J45.2*, J45.3*, J45.4*, J45.5*, J45.90*, J45.990*, J45.991*, J45.998*, O99.5, J42, J43, J44
Chronic hypertension	I10*, O10.0*, O10.9*, O16.1*, O16.2*, O16.3*, O16.4*, O16.5*, O16.9*, I11.9*, I11.0*, O10.1*, I15.0*, I15.1*, I15.2*, I15.8*, I15.9*, O10.4*, I12.9*, I12.0*, O10.2*, I13.0*, I13.2*, I13.10*, I13.11*, O10.3*
Pre-gestational diabetes	E10*, O24.0*, E08*, E09*, E11*, E13*, O24.1*, O24.3*, O24.8*, O24.9*
Heart disease	I27.8, I50.22, I50.23, I50.32, I50.33, I50.42, I50.43, I50.812, I50.813, O90.3, I05*, I06*, I07*, I08*, I09*, I11*, I12*, I13*, I15*, I16*, I20*, I25*, I30*, I31*, I32*, I33*, I34*, I35*, I36*, I37*, I38*, I39*, 40*, I41*, I44*, I45*, I46*, I47*, I48*, I49*, I50.9*, I65.23*, I65.29*, O10.11*, O99.4*, Q20*, Q21*, Q22*, Q23*, Q24*, Q25*, Q26*, Q27*, Q28*
Stillbirth	O36.4XX0
Hypertensive disorders of pregnancy	O14.2*, O14.0*, O14.1*, O14.9*, O11, O15.0*, O15.1*, O15.2*, O15.9*, O13.1*, O13.2*, O13.3*, O13.4*, O13.5*, O13.9*
Placental abruption	O45*, O45.8*, O45.9*
Postpartum hemorrhage	O99.03*, O72*, O73*, L76.22*
Venous thromboembolism or pulmonary embolism	O87.0*, O87.1*, O87.3*, O22.9*, O88*, I82*, I26*, T80.0*, T81.7*

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