

Appendix Table 2. Survey Responses

Health Outcomes

	Total (%) (n=62)	Doula (%) (n=13)	No doula (%) (n=49)
While you were pregnant, were you ever diagnosed with COVID-19?			
No	60 (96.8)	13 (100)	47 (95.9)
Yes	2 (3.2)	0	2 (4.1)
Did you have your labor induced?			
Yes	26 (41.9)	5 (38.5)	21 (42.9)
No	35 (56.5)	8 (61.5)	27 (55.1)
Unsure		0	1 (2.0)
Did you receive an epidural?			
Yes	50 (80.6)	10 (76.9)	40 (81.6)
No	12 (19.4)	3 (23.1)	9 (18.4)
What type of delivery did you have?			
Vaginal	45 (72.6)	8 (61.5)	37 (75.5)
C-section	17 (27.4)	5 (38.5)	12 (24.5)
At any point during your pregnancy, what health issues were you diagnosed with? Choose all that apply.			
I was not diagnosed with any health issues during my pregnancy	39 (62.9)	8 (61.5)	31 (63.3)
Gestational Diabetes	4 (6.5)	0	4 (8.2)
Pre-Term Labor	5 (8.1)	0	5 (10.2)
Pre-Eclampsia	2 (3.2)	0	2 (4.1)
High Blood Pressure	5 (8.1)	2 (15.4)	3 (6.1)
Fibroids	1 (1.6)	1 (7.7)	0
Other	9 (14.5)	2 (15.4)	7 (14.3)
What complications did your baby experience? Choose all that apply.			
My baby did not experience any complications	40 (64.5)	6 (46.2)	34 (69.4)
Pre-Term	6 (9.7)	2 (15.4)	4 (8.2)
Low Birth Weight	2 (3.2)	1 (7.7)	1 (2.0)
Other	18 (29.0)	5 (38.5)	13 (26.5)

*Indicates p-value of 0.5 or less

Discrimination

	Total (%) (n=62)	Doula (%) (n=13)	No doula (%) (n=49)
I was afraid of having a complication during my pregnancy due to the color of my skin.			
Strongly or somewhat agree	44 (70.9)	10 (76.9)	34 (69.4)
Strongly or somewhat disagree	17 (27.4)	2 (15.4)	15 (30.6)
Not applicable	1 (1.6)	1 (7.7)	0
I was afraid that I would experience discrimination during my pregnancy due to the color of my skin.			
Strongly or somewhat agree	40 (64.5)	10 (76.9)	30 (61.2)
Strongly or somewhat disagree	20 (32.2)	2 (15.4)	18 (36.7)
Not applicable	2 (3.2)	1 (7.7)	1 (2.0)
I trusted that my healthcare provider would listen to me if I expressed a health concern.			
Strongly or somewhat agree	50 (80.6)	11(84.6)	39 (79.6)
Strongly or somewhat disagree	12 (19.4)	2 (15.4)	10 (20.4)
Not applicable	0	0	0
I trusted that the hospital staff would listen to me if I expressed a health concern.			
Strongly or somewhat agree	40 (64.5)	7 (53.8)	33 (67.3)
Strongly or somewhat disagree	21 (33.8)	6 (46.2)	15 (30.6)
Not applicable	1 (1.6)	0	1 (2.0)
I felt like my concerns were dismissed by my healthcare provider.			
Strongly or somewhat agree	16 (25.8)	3 (23.1)	13 (26.5)
Strongly or somewhat disagree	42 (67.8)	9 (69.2)	33(67.3)
Not applicable	4 (6.5)	1 (7.7)	3 (6.1)
My healthcare provider took my pain seriously while I was in labor.**			
Strongly or somewhat agree	43 (69.4)	9 (69.2)	34 (69.4)
Strongly or somewhat disagree	11 (17.7)	2 (15.4)	9 (18.4)
Not applicable	7 (11.3)	2 (15.4)	5 (10.2)
I believe that the discrimination I experienced during my pregnancy was due to the color of my skin.			
Strongly or somewhat agree	17 (27.4)	5 (38.5)	12 (24.5)
Strongly or somewhat disagree	10 (16.1)	1 (7.7)	9 (18.4)
Not applicable	35 (56.5)	7 (53.8)	28 (57.1)
I believe that the discrimination I experienced during my pregnancy was due to the color of my skin.			
Strongly or somewhat agree	17 (27.4)	5 (38.5)	12 (24.5)

Strongly or somewhat disagree	10 (16.1)	1 (7.7)	9 (18.4)
Not applicable	35 (56.5)	7 (53.8)	29 (59.2)
I was afraid of dying due to a pregnancy-related issue due to the color of my skin.			
Strongly or somewhat agree	34 (54.8)	7 (53.8)	27 (55.1)
Strongly or somewhat disagree	19 (30.6)	4 (30.8)	15 (30.6)
Not applicable	9 (14.5)	2 (15.4)	7 (14.3)

*Indicates p-value of 0.5 or less

**n=1 participant did not respond to this item

Satisfaction

	Total (%) (n=62)	Doula (%) (n=13)	No doula (%) (n=49)
I felt supported by friends and family throughout my pregnancy.			
Strongly or somewhat agree	57 (92.0)	12 (92.3)	45 (91.8)
Strongly or somewhat disagree	5 (8.1)	1 (7.7)	4 (8.2)
Not applicable	0	0	
I felt supported by my healthcare provider throughout my pregnancy.			
Strongly or somewhat agree	53 (85.5)	13 (100)	40 (81.6)
Strongly or somewhat disagree	8 (12.9)	0	8 (16.3)
Not applicable	1 (1.6)	0	1 (2.0)
Overall, were you pleased with your birth experience? Birth experience includes all parts of your pregnancy and birth.			
Extremely or somewhat pleased	46 (74.2)	9 (69.2)	37 (75.5)
Neither pleased nor displeased	4 (6.5)	1 (7.7)	7 (14.3)
Extremely or somewhat displeased	12 (19.4)	3 (23.1)	5 (10.2)

*Indicates p-value of 0.5 or less

Birth Plan

	Total (%) (n=62)	Doula (%) (n=13)	No doula (%) (n=49)
During your pregnancy, what level of anxiety and fear did you experience about COVID-19?			
A great deal or a lot	35 (56.5)	8 (61.5)	27 (55.1)
A moderate amount or a little	23 (37.1)	4 (30.8)	19 (38.8)
None at all	4 (6.5)	1 (7.7)	3 (6.1)
I considered an out-of-hospital birth due to fear of COVID-19.			
Strongly or somewhat agree	24 (38.7)	5 (38.5)	19 (38.8)

Strongly or somewhat disagree	31 (50.0)	5 (38.5)	8 (16.3)
Neither agree nor disagree	7 (11.3)	3 (23.1)	22 (44.9)
How prepared did you feel to give birth during the COVID-19 pandemic?			
Extremely or somewhat prepared	38 (61.3)	10 (76.9)	28 (57.1)
Extremely or somewhat unprepared	19 (30.6)	1 (7.7)	15 (30.6)
Neither prepared nor unprepared	5 (8.1)	2 (15.4)	6 (12.2)
Did the COVID-19 pandemic change your birth plans?			
Yes	39 (62.9)	9 (69.2)	30 (61.2)
No	23 (37.1)	4 (30.8)	19 (38.8)
What were your plans for feeding?			
I planned to breastfeed	57 (91.9)	13 (100)	44 (89.8)
I planned to formula feed	4 (6.5)	0	4 (8.2)
Did not have a feeding plan	1 (1.6)	0	1 (2.0)
Did the COVID-19 pandemic change your feeding plans?			
Yes	4 (6.5)	0	4 (8.2)
No	58 (93.5)	13 (100)	45 (91.8)
Were there any last minute changes to your birth plan due to the COVID-19 pandemic?			
Yes	22 (35.5)	3 (23.1)	19 (38.8)
No	40 (64.5)	10 (76.9)	30 (61.2)
Did you have a doula at any point during your pregnancy?			
Yes	13 (21.0)	13 (100)	0
No	49 (79.0)	0	49 (100)

*Indicates p-value of 0.5 or less

Doula Specific Questions

		Total doulas (%) n=13	Physically present (%) (n=5)	Not present-virtual or none (%) (n=8)
	What race does your doula identify as?			
	White	1 (7.7)	1 (20)	0
	Black or African American	12 (92.3)	4 (80)	8 (100)
	I feel my doula prepared me to give birth during the COVID-19 pandemic.			
	Strongly or somewhat agree	11 (84.6)	5 (100)	6 (75)
	Strongly or somewhat disagree	1 (7.7)	0	1 (12.5)
	Not applicable	1 (1.6)	0	1 (12.5)

	Was your doula present in the delivery room?			
	Yes, my doula was in the delivery room with me	5 (8.1)	5 (100)	0
	No, but I was able to talk to my doula virtually (ie. facetime, zoom, etc)	5 (8.1)	0	5 (62.5)
	No, my doula was not able to enter the delivery room	3 (4.8)	0	3 (37.5)
	I was satisfied with the amount of time my doula spent with me during my delivery.			
	Extremely or somewhat satisfied	8 (61.5)	4 (80)	4 (50)
	Extremely or somewhat dissatisfied	3 (23.1)	1 (20)	2 (25)
	Not applicable	2 (3.2)	0	2 (25)
	My doula helped me to breastfeed, hand express, or pump.			
	Strongly or somewhat agree	6 (46.2)	4 (80)	2 (25)
	Strongly or somewhat disagree	7 (53.8)	1 (20)	6 (75)
	I did not breastfeed, hand express or pump	0	0	0
	My doula made me feel safe during my pregnancy.			
	Strongly or somewhat agree	12 (92.3)	5 (100)	7 (87.5)
	Strongly or somewhat disagree	1 (7.7)	0	1 (12.5)
	Not applicable	0	0	0
	I was confident in my doula's ability to advocate for me and my baby.			
	Strongly or somewhat agree	10 (76.9)	5 (100)	5 (62.5)
	Strongly or somewhat disagree	2 (15.4)	0	2 (25)
	Not applicable	1 (7.7)	0	1 (12.5)
	My doula decreased my experience with racism during my pregnancy (p=0.03)*			
	Strongly or somewhat agree	5 (38.5)	4 (80)	1 (12.5)
	Strongly or somewhat disagree	3 (23.1)	0	3 (37.5)
	Not applicable	5 (38.5)	1 (20)	4 (50)
	My doula improved my birth experience. (p=0.05)*			
	Strongly or somewhat agree	10 (76.9)	5 (100)	5 (62.5)
	Strongly or somewhat disagree	0	0	0
	Neither agree nor disagree	3 (23.1)	0	3 (37.5)
	My partner felt that my doula improved my birthing experience.			
	Strongly or somewhat agree	7 (53.8)	4 (80)	3 (37.5)
	Strongly or somewhat disagree	2 (15.4)	0	2 (25)
	Not applicable	4 (30.8)	1 (20)	3 (37.5)

My partner was involved in my pregnancy (ie. helping to choose a doula, going to education classes, decision-making, etc).			
Strongly or somewhat agree	10 (76.9)	4 (80)	6 (75)
Strongly or somewhat disagree	2 (15.4)	0	2 (25)
Not applicable	1 (7.7)	1 (20)	0
Based on your experience with your doula, I would use a doula in the future.			
Strongly or somewhat agree	12 (92.3)	5 (100)	7 (87.5)
Strongly or somewhat disagree	0	0	0
Neither agree nor disagree	1 (7.7)	0	1 (12.5)
Based on your experience with your doula, I would have more babies in the future.			
Strongly or somewhat agree	8 (61.5)	4 (80)	4 (50)
Strongly or somewhat disagree	2 (15.4)	0	2 (25)
Neither agree or disagree		1 (20)	2 (25)
How many times have you given birth?			
Once	9 (14.5)	5 (100)	4 (50)
Twice	3 (4.8)	0	3 (37.5)
Three	1 (1.6)	0	1 (12.5)
Four or more	0	0	0
If you have been pregnant before, did you have a doula?			
Yes	1 (1.6)	0	1 (12.5)
No	4 (6.5)	1 (7.7)	3 (37.5)

*Indicates p-value of 0.5 or less

