

Supplementary Table 1a: Vaccinated, vaccine intended and vaccine hesitancy among pregnant and postnatal women in Australia (August 31, 2021 – November 30, 2021, n<sup>#</sup>=653)

<b>Intention to receive COVID-19 vaccination during pregnancy once available</b>	<b>(n=354, %)</b>	<b>(n<sup>*</sup>=334, %)*</b>	<b>Likelihood categories combined</b>	<b>n (%)</b>	<b>n<sup>*</sup>(%)*</b>
Yes, I have already had 1 vaccine dose	5 (1.4)	5 (1.4)	Vaccinated	301 (85.0)	281 (79.3)
Yes, I have already had 2 vaccine doses	296 (83.6)	276 (82.6)			
Yes I will book soon	1 (0.3)	1 (0.3)			
Yes I have booked to have the vaccine	0 (0.0)	0 (0.0)	Vaccine Intention	27 (7.6)	25 (5.1)
I will have a vaccine after the baby is born	12 (3.4)	11 (3.4)			
I will have a vaccine after I finish breastfeeding	14 (3.9)	12 (3.7)			
Unsure	5 (1.4)	6 (1.8)	Vaccine Hesitancy	26 (7.3)	29 (5.8)
I will not have a COVID vaccine at any time	21 (5.9)	23 (6.8)			
<b>Intention to receive COVID-19 vaccination once available (postnatal women)</b>	<b>(n=666, %)</b>	<b>(n<sup>*</sup>=653, %)*</b>	<b>Likelihood categories combined</b>	<b>n (%)</b>	<b>n<sup>*</sup>(%)*</b>
Yes, I have already had 1 vaccine dose	13 (1.9)	15 (2.2)	Vaccinated	604 (90.7)	583 (89.2)
Yes, I have already had 2 vaccine doses	591 (88.9)	568 (87.0)			
Yes I have booked to have the vaccine	1 (0.1)	1 (0.2)			
Yes I will book soon	4 (0.6)	4 (0.5)	Vaccine Intention	18 (2.7)	21 (3.2)
Want to be vaccinated but waiting for Pfizer	1 (0.1)	3 (0.4)			
Want to be vaccinated but until I stop breastfeeding	12 (1.8)	13 (2.0)			
Unsure	11 (1.6)	15 (2.2)	Vaccine Hesitancy	44 (6.6)	50 (7.6)
No, I will not have a COVID vaccine	33 (4.9)	35 (5.4)			

Supplementary Table 1b: Vaccinated, vaccine intended, and vaccine hesitancy among pregnant and postnatal women in Australia (December 1, 2021 – March 1, 2022, n<sup>#</sup>=649)

<b>Intention to receive COVID-19 vaccination during pregnancy once available</b>	<b>(n= 522 , %)</b>	<b>(n<sup>*</sup>=504, %)*</b>	<b>Likelihood categories combined</b>	<b>n (%)</b>	<b>n<sup>*</sup>(%)*</b>
Yes, I have already had 1 vaccine dose	130 (24.9)	122(24.2)	Vaccinated	332 (63.6)	306 (60.6)
Yes, I have already had 2 vaccine doses	202 (38.7)	184(36.4)			
Yes I will book soon	7 (1.3)	9 (1.7)			
Yes I have booked to have the vaccine	45 (8.4)	45 (8.8)	Vaccine Intention	139 (26.6)	142 (28.1)
I will have a vaccine after the baby is born	60 (11.5)	59 (11.6)			
I will have a vaccine after I finish breastfeeding	28 (5.3)	30(5.9)			
Unsure	27 (5.2)	28 (5.5)	Vaccine Hesitancy	51 (9.8)	57 (11.4)
I will not have a COVID vaccine at any time	24 (4.6)	29 (5.8)			
<b>Intention to receive COVID-19 vaccination once available (postnatal women)</b>	<b>(n=686, %)</b>	<b>(n<sup>*</sup>=649, %)*</b>	<b>Likelihood categories combined</b>	<b>n (%)</b>	<b>n<sup>*</sup>(%)*</b>
Yes, I have already had 1 vaccine dose	198 (28.9)	186 (28.7)	Vaccinated	515 (75.1)	477 (73.4)
Yes, I have already had 2 vaccine doses	317 (46.2)	291 (44.8)			
Yes I have booked to have the vaccine	65 (9.5)	61 (9.4)			
Yes I will book soon	20 (2.9)	21 (3.2)	Vaccine Intention	124 (18.1)	123 (19.0)
Want to be vaccinated but waiting for Pfizer	21 (3.0)	24 (3.7)			
Want to be vaccinated but until I stop breastfeeding	18 (2.6)	25 (3.8)			
Unsure	23 (3.4)	22 (3.4)	Vaccine Hesitancy	47 (6.8)	49 (7.6)
No, I will not have a COVID vaccine	24 (3.5)	19 (2.9)			

Supplementary Table 2: Characteristics of the study participants, prevalence and 95%CI of pregnant women according to vaccine status, intention and hesitancy (n#=838)

Variable	n (%)	n# (%)#	Vaccinated	Vaccination intentions	Vaccine Hesitancy
			Pr [95%CI]	Pr [95%CI]	Pr [95%CI]
<b>Month of survey</b>					
August 31, 2021-November 30, 2021	354 (40.4)	334 (39.8)	83.9 [79.3,87.7]	7.4 [5.1,10.6]	8.7 [5.8,12.7]***
December 1, 2021 - March 1, 2022	522 (59.6)	504 (60.2)	60.6 [55.9,65.1]	28.1 [24.1,32.5]	11.4 [8.5,15.1]
<b>State/Territory in Australia (n=833)</b>					
NSW	420 (47.9)	408 (48.6)	74.3 [69.5,78.7]	18.6 [14.8,23.1]	7.1 [4.8,10.4]*
VIC	244 (27.8)	226 (26.9)	70.8 [64.1,76.7]	17.0 [12.6,22.6]	12.2 [7.9,18.3]
Others	207 (23.6)	199 (23.7)	61.7 [54.3,68.6]	24.4 [18.8,31.1]	13.9 [9.1,20.7]
<b>Age in category</b>					
< 30 years	251 (28.7)	307 (36.6)	57.8 [51.0,64.3]	26.9 [21.4,33.2]	15.3 [10.7,21.4]***
30+ years	625 (71.3)	531 (63.4)	76.9 [73.3,80.1]	15.7 [13.0,18.8]	7.4 [5.5,9.8]
<b>Education status</b>					
Graduate	617 (70.4)	565 (67.5)	77.6 [73.9,80.9]	15.5 [12.8,18.7]	6.9 [4.9,9.5]***
TAFE or Diploma	185 (21.1)	193 (23.0)	53.6 [45.6,61.4]	27.4 [20.8,35.2]	19.0 [13.1,26.7]
Year 12 or less	74 (8.5)	80 (9.5)	54.6 [41.9,66.7]	31.9 [21.5,44.5]	13.5 [6.6,25.8]
<b>Employment status</b>					
Paid	373 (42.5)	338 (40.3)	78.0 [73.2,82.0]	17.2 [13.6,21.5]	4.8 [2.9,8.0]***
Part-time	196 (22.4)	194 (23.2)	65.5 [57.6,72.6]	21.3 [15.4,28.7]	13.2 [8.6,19.8]
Unpaid	307 (35.1)	306 (36.5)	63.8 [57.7,69.5]	21.8 [17.2,27.1]	14.5 [10.4,19.8]
<b>Combined Income AUD (n=788)</b>					
< \$80k	114 (13.0)	125 (14.9)	52.1 [41.8,62.1]	22.2 [14.7,32.0]	25.8 [17.4,36.4]***

\$80 to <\$150,000	348 (39.7)	338 (40.3)	70.3 [65.0,75.2]	22.2 [17.9,27.1]	7.5 [4.9,11.3]
\$150,000 to > \$200,000	369 (42.1)	325 (38.8)	79.6 [75.1,83.5]	15.1 [11.7,19.2]	5.3 [3.4,8.3]
<b>Country of birth</b>					
Australia	763 (87.1)	738 (88.0)	69.5 [65.8,73.1]	20.0 [17.1,23.3]	10.5 [8.1,13.4]
others	113 (12.9)	100 (12.0)	72.4 [63.2,80.0]	18.7 [12.5,27.1]	8.9 [4.7,16.4]
<b>Speak language other than English at home</b>					
No	804 (91.8)	767 (91.4)	71.0 [67.4,74.3]	19.5 [16.7,22.6]	9.6 [7.4,12.2]
Yes	72 (8.2)	71 (8.6)	58.5 [45.5,70.4]	23.5 [14.6,35.6]	18.0 [9.2,32.3]
<b>Relationship status</b>					
Partner	837 (95.6)	794 (94.7)	70.6 [67.1,73.8]	19.9 [17.2,23.0]	9.5 [7.4,12.1]*
Single	39 (4.4)	44 (5.3)	57.7 [39.4,74.2]	17.8 [7.7,36.0]	24.5 [11.1,45.8]
<b>Lived or work in a suburb of high COVID</b>					
Yes	357 (40.7)	343 (40.9)	75.4 [70.0,80.2]	15.2 [11.5,19.9]	9.3 [6.3,13.7]*
No	519 (59.3)	495 (59.1)	66.0 [61.5,70.3]	23.0 [19.4,27.1]	11.0 [8.2,14.6]
<b>Pregnancy gestation</b>					
< 28 weeks	277 (31.6)	266 (31.8)	65.5 [59.2,71.3]	17.6 [13.4,22.8]	16.9 [12.3,22.7]***
>= 28 weeks	599 (68.4)	572 (68.2)	71.9 [67.8,75.7]	20.9 [17.5,24.7]	7.2 [5.1,10.2]
<b>Parity (n=837)</b>					
Primiparous	715 (81.6)	696 (83.0)	70.8 [67.0,74.4]	19.9 [16.9,23.3]	9.3 [6.9,12.3]
Multiparous	160 (18.2)	141 (16.8)	65.8 [57.9,72.9]	19.6 [14.1,26.7]	14.6 [9.7,21.2]
<b>Do you have any risk factors for your pregnancy?</b>					
No, I believe I have no risk factors	511 (58.3)	488 (58.2)	67.3 [62.7,71.6]	22.2 [18.4,26.4]	10.5 [7.8,14.1]
Yes, I have been told I have some mild	272 (31.1)	262 (31.3)	71.6 [65.3,77.1]	17.8 [13.5,23.2]	10.6 [6.8,16.1]

Yes, I have been told I have some serious	93 (10.6)	88 (10.6)	79.1 [69.3,86.4]	12.9 [7.4,21.5]	8.0 [3.8,16.1]
<b>Main maternity care provider</b>					
GP shared Public Others	377 (43.0)	371 (44.3)	67.2 [61.6,72.3]	22.1 [17.8,27.1]	10.7 [7.4,15.4]*
Private obstetrician/GP obstetrician	210 (24.0)	202 (24.0)	64.9 [57.6,71.6]	21.5 [16.2,28.0]	13.6 [9.1,19.9]
Midwifery continuity of care	289 (33.0)	265 (31.7)	77.5 [72.0,82.2]	15.4 [11.4,20.3]	7.2 [4.6,11.0]
<b>Suspected that you, or anyone else you know personally, has had COVID (n=828)</b>					
Yes	335 (38.2)	318 (38.1)	81.2 [76.2,85.3]	11.9 [8.6,16.2]	6.9 [4.4,10.6]***
No	530 (60.5)	510 (60.9)	62.9 [58.3,67.3]	24.6 [20.9,28.8]	12.4 [9.4,16.3]
<b>How satisfied are you with your life</b>					
Very satisfied	333 (38.0)	311 (37.1)	75.3 [70.1,79.9]	16.6 [12.8,21.2]	8.1 [5.4,12.0]***
Satisfied	462 (52.7)	442 (52.7)	70.4 [65.6,74.9]	19.6 [16.0,23.8]	10.0 [7.0,14.0]
Dissatisfied	81 (9.3)	85 (10.2)	47.2 [35.6,59.0]	32.9 [22.4,45.6]	19.9 [12.1,31.0]

#Weighted sample; Pr = prevalence; \*\*\*, \*\* and \* denote p-values of 0.001, 0.01 and 0.05 respectively obtained from Chi-square test. n=838 otherwise stated within brackets.

Supplementary Table 3: Characteristics of the study participants, prevalence and 95%CI of postnatal women according to vaccine status, intention and hesitancy (n#=1,302)

Variable	n (%)	n* (%)*	Vaccinated	Vaccination intentions	Vaccine Hesitancy
			Pr [95%CI]	Pr [95%CI]	Pr [95%CI]
<b>Month of survey</b>					
August 31, 2021-November 30, 2021	666 (49.3)	653 (50.2)	89.2 [86.1,91.8]	3.2 [1.9,5.2]	7.6 [5.5,10.5]***
December 1, 2021 - March 1, 2022	686 (50.7)	649 (49.8)	73.4 [69.6,77.0]	19.0 [15.9,22.4]	7.6 [5.6,10.2]
<b>State/Territory in Australia (n=1297)</b>					
NSW	596 (44.1)	566 (43.5)	82.7 [79.0,85.9]	11.0 [8.5,14.1]	6.3 [4.3,9.1]**

VIC	365 (27.0)	342 (26.3)	86.0 [81.6,89.4]	8.6 [6.0,12.1]	5.4 [3.3,8.8]
Others	388 (28.7)	389 (29.9)	75.3 [70.1,80.0]	13.4 [10.0,17.8]	11.2 [8.0,15.6]
<b>Age in category</b>					
< 30 years	358 (26.5)	464 (35.6)	75.1 [69.6,79.9]	13.7 [10.2,18.3]	11.2 [7.9,15.8]**
30+ years	994 (73.5)	838 (64.4)	84.9 [82.5,86.9]	9.6 [7.9,11.6]	5.6 [4.3,7.2]
<b>Education status</b>					
Graduate	968 (71.6)	879 (67.6)	84.4 [81.7,86.7]	10.3 [8.4,12.6]	5.3 [3.9,7.1]**
TAFE or diploma	249 (18.4)	256 (19.6)	76.4 [70.1,81.7]	12.4 [8.6,17.7]	11.2 [7.6,16.2]
Year 12 or less	135 (10.0)	166 (12.8)	73.0 [63.1,81.0]	12.7 [7.4,20.9]	14.4 [8.4,23.5]
<b>Employment status</b>					
Paid	776 (57.4)	720 (55.3)	83.6 [80.5,86.3]	10.1 [8.0,12.6]	6.3 [4.6,8.7]
Part-time	86 (6.4)	83 (6.4)	86.3 [77.6,92.0]	8.2 [4.1,15.7]	5.5 [2.3,12.7]
Unpaid	490 (36.2)	499 (38.3)	77.3 [72.7,81.4]	12.9 [9.9,16.8]	9.8 [7.0,13.5]
<b>Combined Income (n=1249)</b>					
<AUD \$80k	162 (12.0)	209 (16.0)	63.8 [55.0,71.9]	18.6 [12.7,26.6]	17.5 [11.8,25.2]***
\$80 to <\$150,000	555 (41.0)	535 (41.1)	81.1 [77.2,84.5]	11.7 [9.1,14.9]	7.2 [4.9,10.3]
\$150,000 to > \$200,000	576 (42.6)	505 (38.8)	88.7 [85.8,91.0]	7.1 [5.3,9.6]	4.2 [2.8,6.2]
<b>Country</b>					
Australia	1181 (87.4)	1143 (87.8)	81.3 [78.6,83.7]	11.2 [9.4,13.4]	7.5 [5.9,9.5]
others	171 (12.6)	159 (12.2)	82.0 [74.7,87.5]	9.6 [6.1,14.8]	8.4 [4.5,15.3]
<b>Speak language other than English at home</b>					
No	1243 (91.9)	1203 (92.4)	81.7 [79.1,84.0]	10.8 [9.0,12.9]	7.5 [5.9,9.5]
Yes	109 (8.1)	99 (7.6)	77.2 [68.4,84.2]	14.0 [8.7,21.8]	8.8 [4.7,15.7]

<b>Marital status</b>					
Partner	1304 (96.4)	1247 (95.8)	81.7 [79.2,84.0]	11.1 [9.3,13.1]	7.2 [5.7,9.0]
Single	48 (3.6)	55 (4.2)	73.5 [55.7,86.0]	10.2 [4.5,21.5]	16.3 [6.2,36.4]
<b>Lived or work in a suburb of high COVID</b>					
Yes	375 (27.7)	368 (28.3)	84.7 [79.7,88.6]	8.8 [6.0,12.7]	6.5 [3.9,10.7]
No	977 (72.3)	934 (71.7)	80.1 [77.1,82.7]	11.9 [9.9,14.4]	8.0 [6.3,10.2]
<b>Postpartum period</b>					
<=7 weeks	406 (30.0)	398 (30.5)	74.6 [69.4,79.2]	17.9 [14.0,22.5]	7.5 [4.8,11.6]***
>7 weeks	946 (70.0)	904 (69.5)	84.3 [81.6,86.8]	8.0 [6.3,10.2]	7.6 [5.9,9.8]
<b>Parity (n=1301)</b>					
Primiparous	736 (54.4)	742 (57.0)	82.1 [78.7,85.1]	10.9 [8.7,13.7]	6.9 [5.0,9.6]
Multiparous	615 (45.5)	559 (43.0)	80.3 [76.6,83.6]	11.2 [8.7,14.3]	8.5 [6.3,11.3]
<b>Do you have any risk factors for your pregnancy?</b>					
No, I believe I have no risk factors	638 (47.2)	620 (47.6)	78.4 [74.4,81.9]	11.1 [8.6,14.1]	10.5 [7.9,13.9]*
Yes, I have been told I have some mild	498 (36.8)	472 (36.2)	84.2 [80.5,87.3]	10.5 [8.0,13.8]	5.3 [3.5,7.8]
Yes, I have been told I have some serious	216 (16.0)	210 (16.1)	83.7 [77.3,88.6]	12.0 [7.8,18.2]	4.2 [2.3,7.7]
<b>Who is your main maternity care provider</b>					
GP shared care / Public Others	586 (43.3)	581 (44.7)	78.8 [74.7,82.4]	14.3 [11.3,17.8]	7.0 [4.8,10.0]***
Private obstetrician/GP obstetrician	345 (25.6)	345 (26.4)	74.6 [69.0,79.4]	11.6 [8.4,15.9]	13.8 [10.1,18.6]
Midwifery continuity of care	421 (31.1)	376 (28.9)	91.6 [88.5,93.9]	5.5 [3.7,8.2]	2.9 [1.6,5.0]
<b>Suspected that you, or anyone else you know personally, has had COVID (n=1281)</b>					
Yes	235 (17.4)	229 (17.5)	84.0 [77.6,88.7]	10.3 [6.4,16.1]	5.7 [3.2,10.1]
No	1094 (80.9)	1053 (80.8)	80.8 [78.1,83.3]	11.2 [9.3,13.4]	8.0 [6.2,10.1]

How satisfied are you with your life					
Very satisfied	624 (46.2)	594 (45.6)	83.9 [80.3,87.0]	10.9 [8.3,14.1]	5.2 [3.5,7.6]
satisfied	599 (44.3)	577 (44.3)	79.0 [75.2,82.4]	11.8 [9.4,14.8]	9.1 [6.7,12.2]
Dissatisfied	129 (9.5)	131 (10.1)	80.0 [70.5,87.0]	8.3 [4.2,15.6]	11.7 [6.4,20.6]

#Weighted sample; Pr = prevalence; \*\*\*, \*\* and \* denote p-values of 0.001, 0.01 and 0.05 respectively obtained from Chi-square test. n=1302 otherwise stated within brackets.