

TABLE 3 cont. Pregnancy Outcomes, Singleton Births, Active Component U.S. Service Women 2021–2023

Demographics	Pre-Term Labor or Delivery			Antepartum Hemorrhage			Stillbirth		
	No.	%	<i>p</i> -value	No.	%	<i>p</i> -value	No.	%	<i>p</i> -value
Total	2,830	7.2		8,210	20.86		323	0.8	
COVID-19 infection during pregnancy									
Yes	401	7.7	0.1090	1161	22.37	0.0041	45	0.9	0.6914
No	2,429	7.1		7,049	20.63		278	0.8	
COVID-19 infection prior to start of pregnancy									
Yes	442	6.8	0.1929	1,533	23.62	<.0001	56	0.9	0.6815
No	2,388	7.3		6,677	20.32		267	0.8	
COVID-19 vaccination during pregnancy									
Yes	702	7.9	0.0987	1,860	20.08	0.0343	88	1.0	0.1148
No	2,128	7.1		6,350	21.10		235	0.8	
COVID-19 vaccination prior to start of pregnancy									
Yes	1,463	6.6	<.0001	4,606	20.88	0.9043	181	0.8	0.9981
No	1,367	7.9		3,604	20.83		142	0.8	
Age, <i>y</i>									
<20	72	11.0	<.0001	163	24.89	<.0001	6	0.9	0.0001
20–24	1,062	7.7		3,127	22.55		106	0.8	
25–29	824	6.8		2,393	19.80		83	0.7	
30–34	522	6.3		1,582	19.20		65	0.8	
35–39	296	7.7		803	20.79		50	1.3	
40+	54	8.4		142	22.05		13	2.0	
Race and ethnicity									
White, non-Hispanic	1,076	6.6	<.0001	2,835	17.34	<.0001	111	0.7	0.0007
Black, non-Hispanic	796	8.9		2,360	26.36		105	1.2	
Hispanic	588	6.7		1,988	22.63		71	0.8	
Other	310	6.9		882	19.56		32	0.7	
Unknown	60	7.9		145	19.13		4	0.5	
Service branch									
Army	1,093	8.1	<.0001	2,918	21.58	0.0468	117	0.9	0.6473
Navy	776	6.9		2,317	20.72		82	0.7	
Air Force, Space Force	718	6.5		2,257	20.48		93	0.8	
Marine Corps	201	7.2		563	20.27		26	0.9	
Coast Guard	42	4.9		155	18.17		5	0.6	
Comorbidities Prior to Pregnancy Start Date									
Cardiovascular disease									
Yes	181	8.4	0.0211	534	24.91	<.0001	24	1.1	0.1149
No	2,649	7.1		7,676	20.63		299	0.8	
Chronic lower respiratory disease									
Yes	27	8.5	0.3677	90	28.30	0.0010	5	1.6	0.1358
No	2,803	7.2		8,120	20.80		318	0.8	
Asthma									
Yes	59	6.5	0.4033	226	24.84	0.0028	8	0.9	0.8434
No	2,771	7.2		7,984	20.77		315	0.8	
Lung disease									
Yes	131	8.1	0.1564	423	26.10	<.0001	13	0.8	0.9319
No	2,699	7.2		7,787	20.64		310	0.8	
Metabolic disease									
Yes	360	8.3	0.0039	1,087	24.93	<.0001	44	1.0	0.1436
No	2,470	7.1		7,123	20.35		279	0.8	
Immune compromising conditions									
Yes	397	9.0	<.0001	1,069	24.22	<.0001	42	1.0	0.3067
No	2,433	7.0		7,141	20.44		281	0.8	
Substance use disorders (including nicotine dependence)									
Yes	173	8.5	0.0156	502	24.79	<.0001	20	1.0	0.3926
No	2,657	7.1		7,708	20.65		303	0.8	
Chronic liver disease									
Yes	18	8.3	0.5279	60	27.65	0.0136	2	0.9	0.8688
No	2,812	7.2		8,150	20.82		321	0.8	
Chronic kidney disease									
Yes	80	8.0	0.3296	229	22.83	0.1198	8	0.8	0.9345
No	2,750	7.2		7,981	20.81		315	0.8	
Chronic neurological disorders									
Yes	31	9.8	0.0763	86	27.04	0.0064	2	0.6	0.7035
No	2,799	7.2		8,124	20.81		321	0.8	
Neoplasms									
Yes	270	7.2	0.9782	844	22.51	0.0089	43	1.2	0.0199
No	2,560	7.2		7,366	20.69		280	0.8	
Obesity									
Yes	347	7.5	0.3540	1,113	24.13	<.0001	62	1.3	<.0001
No	2,483	7.2		7,097	20.43		261	0.8	
Tuberculosis									
Yes	2	10.5	0.5735	4	21.05	0.9836	0	0.0	0.6916
No	2,828	7.2		8,206	20.86		323	0.8	
Mood disorders, depression, schizophrenia									
Yes	360	9.3	<.0001	969	24.90	<.0001	40	1.0	0.1311
No	2,470	7.0		7,241	20.42		283	0.8	
Tobacco use (reported on PHA)									
Yes	366	7.7	0.1174	1,061	22.45	0.0043	39	0.8	0.9720
No	2,464	7.1		7,149	20.65		284	0.8	
Prior deliveries, <i>n</i>									
0	1,883	6.9	0.0068	5,888	21.66	<.0001	215	0.8	0.0015
1	692	7.7		1,701	18.85		65	0.7	
2+	255	8.1		621	19.76		43	1.4	

Abbreviations: No., number; COVID-19, coronavirus disease 2019; *y*, years; PHA, Periodic Health Assessment; *n*, number.

Note: These findings are not adjusted for any potential confounders