

TABLE 1. Demographic and Military Service Characteristics of Occupations with High and Low Risks for Blast Overpressure Exposure, Active Component, U.S. Armed Forces Who Joined Service 2001–2024

Characteristic	High-Risk Occupation		Low-Risk Occupation	
	No.	%	No.	%
Total	831,050	27.2	2,229,594	72.8
Sex				
Male	765,876	92.2	1,781,893	79.9
Female	65,174	7.8	447,701	20.1
Age group at end of follow-up, y				
<20	56,202	6.8	217,992	9.8
20–24	399,202	48.0	945,956	42.4
25–29	223,878	26.9	583,130	26.2
30–34	86,430	10.4	260,477	11.7
35–39	41,523	5.0	139,825	6.3
≥40	23,815	2.9	82,214	3.7
Race and ethnicity				
White, non-Hispanic	564,877	68.0	1,293,590	58.0
Black, non-Hispanic	92,302	11.1	370,235	16.6
Hispanic	117,931	14.2	357,666	16.0
Other or unknown	55,940	6.7	208,103	9.3
Branch of service				
Army	565,847	68.1	971,648	43.6
Air Force	105,383	12.7	670,896	30.1
Marine Corps	159,820	19.2	587,050	26.3
Rank (grade) at end of follow-up				
Enlisted (E1-E9)	769,511	92.6	2,029,356	91.0
Commissioned officer (O1-O10)	57,059	6.9	184,852	8.3
Warrant officer (W)	4,480	0.5	15,386	0.7
Occupation				
Combat-related	497,109	59.8	128,483	5.8
Motor transport	1,650	0.2	95,502	4.3
Pilot, air crew	3,262	0.4	50,001	2.2
Repair, engineering	64,715	7.8	644,804	28.9
Communications, intelligence	81,365	9.8	578,907	26.0
Health care	4,386	0.5	190,613	8.6
Other	178,563	21.5	541,284	24.3
Cumulative time since entering the cohort, at end of follow-up, y				
<1	112,115	13.5	376,406	16.9
1 to <6	522,329	62.9	1,232,985	55.3
6 to <10	108,251	13.0	328,549	14.7
≥10	88,355	10.6	291,654	13.1
Deployment history at end of follow-up (through December 2022)				
Never deployed	460,181	55.4	1,437,738	64.5
1 prior deployment	209,142	25.2	433,661	19.5
≥2 prior deployments	161,727	19.5	358,195	16.1

Abbreviation: No., number; BOP, blast overpressure.