

TABLE 2. Incidence of Acute Hip Fractures and Hip Stress Fractures Among Active Component U.S. Service Members by Demographic Characteristics, 2018–2022

	Female		Acute Hip Fractures Male		Female/Male RR	95% LL	95% UL
	No.	Rate ^a	No.	Rate ^a			
Total	356	3.4	924	1.8	1.9	1.7	2.1
Age group, y							
<20	104	12.4	96	2.7	4.7	3.5	6.2
20–29	206	3.4	548	1.9	1.7	1.5	2.0
30–39	35	1.3	205	1.4	0.9	0.6	1.3
40+	11	1.3	75	1.5	0.9	0.5	1.7
Race and ethnicity							
White, non-Hispanic	158	3.6	603	2.0	1.8	1.5	2.1
Black, non-Hispanic	66	2.6	130	1.8	1.5	1.1	2.0
Hispanic	90	4.3	130	1.5	2.8	2.2	3.7
Other	42	2.8	61	1.1	2.6	1.8	3.9
Branch of service							
Army	195	5.7	484	2.6	2.2	1.9	2.6
Navy	42	1.3	140	1.1	1.2	0.8	1.7
Air Force	42	1.3	131	1.1	1.2	0.9	1.7
Marine Corps	77	10.0	169	2.2	4.6	3.6	6.1
Occupation							
Infantry	0	0.0	90	2.3	0.0	--	--
Other, combat-specific	18	6.2	94	2.1	2.9	1.8	4.8
Motor transport	17	5.1	38	2.5	2.1	1.2	3.7
Pilot/air crew	3	1.8	22	1.1	1.7	--	--
Repair/engineering	53	2.5	239	1.5	1.7	1.3	2.3
Communications/intelligence	87	2.6	144	1.4	1.8	1.4	2.3
Health care	60	3.1	55	1.6	1.9	1.3	2.7
Other/unknown	118	5.0	242	2.4	2.1	1.7	2.6
Recruit basic training							
Yes	84	37.5	128	12.3	3.1	2.3	4.0
No	272	2.6	796	1.6	1.7	1.5	1.9
Body mass index							
Obese (≥30)	12	1.3	87	1.3	1.0	0.6	1.9
Overweight (25≤30)	83	2.8	317	1.6	1.8	1.4	2.3
Normal weight (18.5≤25)	178	4.8	311	2.4	2.0	1.7	2.4
Underweight (<18.5)	11	9.2	9	3.1	2.9	1.2	7.1
Unknown	72	2.5	200	1.7	1.5	1.1	1.9
	Female		Hip Stress Fractures Male		Female/Male RR	95% LL	95% UL
	No.	Rate ^a	No.	Rate ^a			
Total	802	7.6	804	1.6	4.9	4.4	5.4
Age group, y							
<20	328	39.0	207	5.7	6.8	5.7	8.1
20–29	416	6.8	509	1.8	3.8	3.3	4.3
30–39	52	1.9	79	0.5	3.5	2.4	4.9
40+	6	0.7	9	0.2	4.2	1.5	11.9
Race and ethnicity							
White, non-Hispanic	344	7.8	502	1.7	4.6	4.0	5.3
Black, non-Hispanic	176	6.8	105	1.4	4.8	3.8	6.1
Hispanic	211	10.2	139	1.6	6.2	5.0	7.7
Other	71	4.8	58	1.0	4.7	3.4	6.7
Branch of service							
Army	528	15.5	607	3.2	4.8	4.3	5.4
Navy	22	0.7	20	0.2	4.3	2.4	7.9
Air Force	36	1.1	24	0.2	5.6	3.3	9.4
Marine Corps	216	28.2	153	2.0	14.4	11.7	17.8
Occupation							
Infantry	3	17.1	72	1.9	9.1	--	--
Other, combat-specific	34	11.8	78	1.8	6.6	4.4	9.9
Motor transport	20	6.0	24	1.6	3.8	2.1	6.9
Pilot/air crew	3	1.8	1	0.1	36.2	--	--
Repair/engineering	118	5.6	139	0.9	6.6	5.2	8.4
Communications/intelligence	201	6.0	136	1.4	4.4	3.5	5.5
Health care	96	4.9	38	1.1	4.4	3.0	6.4
Other/unknown	327	13.9	316	3.1	4.4	3.8	5.2
Recruit basic training							
Yes	300	134.1	398	38.3	3.5	3.0	4.1
No	502	4.9	406	0.8	6.1	5.3	6.9
Body mass index							
Obese (≥30)	11	1.2	49	0.7	1.7	0.9	3.3
Overweight (25≤30)	195	6.6	245	1.2	5.4	4.4	6.5
Normal weight (18.5≤25)	464	12.5	356	2.8	4.5	3.9	5.2
Underweight (<18.5)	29	24.3	18	6.3	3.9	2.2	7.0
Unknown	103	3.6	136	1.2	3.1	2.4	4.0

Abbreviations: No., number; y, years; RR, rate ratio; LL, lower limit; UL, upper limit.
 Note: Confidence interval estimates are unstable due to small group sizes.

^aRate per 10,000 person-years.