

TABLE 2. Epidemiological Profiles of Incident HIV Cases, U.S. Armed Forces, 1990–2024

Characteristics	Overall 1990-2024			Early Epidemic 1990-1995			HAART 1996-2004		
	Persons Tested (n)	HIV+ Cases (n)	Rate ^a	Persons Tested (n)	HIV+ Cases (n)	Rate ^a	Persons Tested (n)	HIV+ Cases (n)	Rate ^a
Total	46,409,929	11,280	24.3	8,474,969	2,665	31.4	10,085,560	2,242	22.2
Sex									
Male	39,336,799	10,865	27.6	7,499,865	2,541	33.9	8,662,379	2,118	24.5
Female	7,073,130	415	5.9	975,104	124	12.7	1,423,181	124	8.7
Age group, y									
< 20	5,465,222	548	10.0	1,051,461	95	9.0	1,405,051	95	6.8
20–24	14,368,318	3,787	26.4	2,769,793	810	29.2	3,184,365	612	19.2
25–29	9,277,994	2,944	31.7	1,625,310	777	47.8	1,813,500	477	26.3
30–34	6,415,196	1,789	27.9	1,158,514	487	42.0	1,354,238	456	33.7
35–39	5,041,910	1,188	23.6	851,094	276	32.4	1,156,359	352	30.4
≥ 40	5,841,289	1,024	17.5	1,018,797	220	21.6	1,172,047	250	21.3
Race and ethnicity									
White, non-Hispanic	28,777,369	3,419	11.9	5,752,788	1,059	18.4	6,240,806	667	10.7
Black, non-Hispanic	7,883,708	5,822	73.8	1,638,605	1,385	84.5	1,867,116	1,185	63.5
Hispanic	5,270,878	1,172	22.2	438,325	111	25.3	964,904	176	18.2
Other/ unknown	4,477,974	867	19.4	645,251	110	17.0	1,012,734	214	21.1
Education level									
High school or less	32,362,591	8,883	27.4	6,579,109	2,279	34.6	7,685,461	1,841	24.0
Some college	4,455,128	920	20.7	365,225	87	23.8	558,327	114	20.4
Bachelor's or advanced degree	7,936,394	1,141	14.4	1,140,036	185	16.2	1,443,666	213	14.8
Other/ unknown	1,655,816	336	20.3	390,599	114	29.2	398,106	74	18.6
Marital status									
Single, never married	22,508,360	7,554	33.6	4,071,124	1,717	42.2	5,061,705	1,461	28.9
Married	21,853,133	3,165	14.5	4,099,908	834	20.3	4,677,935	666	14.2
Other/ unknown	2,048,436	561	27.4	303,937	114	37.5	345,920	115	33.2
Rank, grade									
Junior enlisted (E1–E4)	22,993,670	6,066	26.4	4,363,368	1,391	31.9	5,307,776	1,141	21.5
Senior enlisted (E5–E9)	16,691,404	4,432	26.6	3,010,732	1,135	37.7	3,436,665	939	27.3
Junior officer (O1–O3)	3,549,499	459	12.9	606,147	77	12.7	680,264	94	13.8
Senior officer (O4–O10)	2,539,134	273	10.8	379,670	52	13.7	517,698	59	11.4
Warrant officer (WO1–WO5)	636,222	50	7.9	115,052	10	8.7	143,157	9	6.3
Military occupation									
Combat-specific (Infantry/artillery/combat engineering/armor)	5,940,291	972	16.4	903,850	200	22.1	1,333,144	181	13.6
Motor transport	1,736,637	504	29.0	234,803	103	43.9	464,875	79	17.0
Pilot/air crew	1,505,453	112	7.4	199,079	16	8.0	318,645	28	8.8
Repair/engineering	10,821,213	2,166	20.0	1,575,310	362	23.0	2,295,425	397	17.3
Communications/ intelligence	8,457,040	3,019	35.7	1,110,753	597	53.7	1,676,142	580	34.6
Health care	3,183,230	1,061	33.3	409,468	180	44.0	638,918	199	31.1
Other	14,766,065	3,446	23.3	4,041,706	1,207	29.9	3,358,411	778	23.2
Service branch									
Army	22,558,658	5,924	26.3	4,487,647	1,426	31.8	4,937,643	1,096	22.2
Marine Corps	6,087,759	879	14.4	1,143,998	174	15.2	1,662,547	201	12.1
Navy	11,472,225	3,479	30.3	2,839,304	1,065	37.5	3,393,677	916	27.0
Air Force ^b	5,743,352	917	16.0	—	—	—	—	—	—
Coast Guard ^b	547,935	81	14.8	4,020	—	—	91,693	29	31.6
Component									
Active	31,922,686	7,183	22.5	5,582,275	1,764	31.6	7,356,912	1,477	20.1
Guard	7,316,696	1,889	25.8	1,253,170	372	29.7	1,140,838	308	27.0
Reserve	7,170,547	2,208	30.8	1,639,524	529	32.3	1,587,810	457	28.8

Abbreviations: HIV, human immunodeficiency virus; HAART, highly active antiretroviral therapy; n, number; HIV+, HIV-positive; y, years; E, enlisted; O, officer.

^aRate per 100,000 persons tested.

^bDue to incomplete or unavailable specimen and HIV testing results, data for Coast Guard are not available prior to 1996, nor for Air Force prior to 2006.