Pseudofolliculitis barbae (PFB), or ingrown hairs, is a common skin condition of the face and neck caused by shaving in predisposed individuals who have naturally curly hair. It uniquely affects a disproportionate number of US service members with African ancestry who must abide by strict uniform grooming standards across the entire military. The rationale behind this policy is that a beard can prevent a proper seal when using breathing protection devices such as gas masks or N95 respirators. Against the backdrop of the COVID-19 pandemic and looming overseas conflicts, dermatologists who treat service members should be aware of the separate yet related guidelines to treat PFB that each military branch follows. Herein, we review the treatments and current policies on PFB in the US Military.

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**Treatment Options**

**Shaving Guidelines**—Daily shaving remains the grooming standard for US service members who are encouraged to follow prescribed grooming techniques to prevent mild cases of PFB, defined as having “few, scattered papules with scant hair growth of the beard area,” according to the technical bulletin of the US Army, which provides the most detailed guidelines among the branches. The bulletin recommends hydrating the face with warm water, followed by a preshavelotion and shaving with a single pass superiorly to inferiorly. Following shaving, postrazor hydration lotion is recommended. Single-bladed razors are preferred, as there is less trauma to existing PFB and less potential for hair retraction under the epidermis, though multibladed razors can be used with adequate preshave and postrazor hydration.

In this article, we review the treatments and current policies on PFB in the military.

**PRACTICE POINTS**

- Pseudofolliculitis barbae (PFB) is common among US service members due to grooming standards in the military.
- Each military branch follows separate yet related guidelines to treat PFB.
- The best treatment for severe or refractory cases of PFB is a long-term shaving restriction or laser hair removal.

**Points**

Pseudofolliculitis barbae (PFB), or razor bumps, is a skin disease of the face and neck caused by shaving and remains prevalent in the US Military. As the sharpened ends of curly hair strands penetrate back into the epidermis, they can trigger inflammatory reactions, leading to papules and pustules as well as hyperpigmentation and scarring. Although anyone with thick curly hair can develop PFB, Black individuals are disproportionately affected, with 45% to 83% reporting PFB symptoms compared with 18% of White individuals. In this article, we review the treatments and current policies on PFB in the military.

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barium sulfide to obtund the hair ends and make them less likely to re-enter the skin surface, though it notes low compliance rates due to strong sulfur odor, messy application, and irritation and reactions to ingredients in the preparations.4

Shaving Waivers and Laser Hair Removal—The definitive treatment of PFB is to not shave, and a shaving waiver or laser hair removal (LHR) are the best options for severe PFB or PFB refractory to other treatments. A shaving waiver (or shaving profile) allows for growth of up to 0.25 inches of facial hair with maintenance of the length using clippers. The shaving profile typically is issued by the referring primary care manager (PCM) but also can be recommended by a dermatologist. Each military branch implements different regulations on shaving profiles, which complicates care delivery at joint-service military treatment facilities (MTFs). The Table provides guidelines that govern the management of PFB by the US Army, Air Force, Navy, and Marine Corps. The issuance and duration of shaving waivers vary by service.

Laser hair removal therapy uses high-wavelength lasers that largely bypass the melanocyte-containing basal layer and selectively target hair follicles located deeper in the skin, which results in precise hair reduction with relative sparing of the epidermis.16 Clinical trials at military clinics have demonstrated that treatments with the 1064-nm long-pulse Nd:YAG laser generally are safe and effective in impeding hair growth in Fitzpatrick skin types IV, V, and VI.17 This laser, along with the Alexandrite 755-nm long-pulse laser for Fitzpatrick skin types I to III, is widely available and used for LHR at MTFs that house dermatologists. Eflornithine cream 13.9%, which is approved by the US Food and Drug Administration to treat hirsutism, can be used as monotherapy for treatment of PFB and has a synergistic depilatory effect in PFB patients when used in conjunction with LHR.18,19 Laser hair removal treatments can induce a permanent change in facial hair density and pattern of growth. Side effects and complications of LHR include discomfort during treatment and, in rare instances, blistering and dyspigmentation of the skin as well as paradoxical hair growth.17

TRICARE, the unified health care program, covers LHR in the civilian sector if the following criteria are met: candidates must work in an environment that may require breathing protection, and they must have failed conservative therapy; an MTF dermatologist must evaluate each case and attempt LHR at an MTF to limit outside referrals; and the MTF dermatologist must process each outside referral claim to completion and ensure that the LHR is rendered by a civilian dermatologist and is consistent with branch-specific policies.20

Service Policies on PFB

Army—The Army technical bulletin breaks down the treatment of PFB based on mild, moderate, and severe conditions.3 For mild conditions, a trial of shaving every 2 or 3 days until resolution is recommended. For moderate PFB, topical tretinoin as well as shaving every 2 to 3 days is recommended. For severe conditions, temporary beard growth with issuance of a temporary shaving profile up to 90 days is authorized.3

The technical bulletin also allows a permanent shaving profile for soldiers who demonstrate a severe adverse reaction to treatment or progression of the disease despite a trial of all these methods.3 The regulation stipulates that 0.125 to 0.25 inches of beard growth usually is sufficient to prevent PFB. Patients on profiles must be re-evaluated by a PCM or a dermatologist at least once a year.3

Air Force—Air Force Instruction 44-102 delegates PFB treatment and management strategies to each individual MTF, which allows for decentralized management of PFB, resulting in treatment protocols that can differ from one MTF to another.7 Since 2020, waivers have been valid for 5 years regardless of deployment or permanent change of station location. Previously, shaving profiles required annual renewals.7 Special duties, such as Honor Guard, Thunderbirds, Special Warfare Mission Support, recruiters, and the Air Force Band, often follow the professional appearance standards more strictly. Until recently, the Honor Guard used to reassign those with long-term medical shaving waivers but now allows airmen with shaving profiles to serve with exceptions (eg, shaving before ceremonies).21

Navy—BUPERS (Bureau of Naval Personnel) Instruction 1000.22C divides PFB severity into 2 categories. For mild to moderate PFB cases, topical tretinoin and adapalene are recommended, along with improved shaving hygiene practices. As an alternative to topical steroids, topical eflornithine monotherapy can be used twice daily for 60 days. For moderate to severe PFB cases, continued grooming modifications and LHR at military clinics with dermatologic services are expected.8

Naval administrative memorandum NAVADMIN 064/22 (released in 2022) no longer requires sailors with a shaving “chit,” or shaving waiver, to fully grow out their beards.9 Sailors may now outline or edge their beards as long as doing so does not trigger a skin irritation or outbreak. Furthermore, sailors are no longer required to carry a physical copy of their shaving chit at all times. Laser hair removal for sailors with PFB is now considered optional, whereas sailors with severe PFB were previously expected to receive LHR.9

Marine Corps—The Marine Corps endorses a 4-phase treatment algorithm (Table). As of January 2022, permanent shaving chits are authorized. Marines no longer need to carry physical copies of their chits at all times and cannot be separated from service because of PFB.10 New updates explicitly state that medical officers, not the commanding officers, now have final authority for granting shaving chits.21

Final Thoughts

The Army provides the most detailed bulletin, which defines the clinical features and treatments expected for each stage of PFB. All 4 service branches permit temporary profiles, albeit for different lengths of time. However, only the Army and the Marine Corps currently authorize permanent shaving waivers if all treatments mentioned in their respective bulletins have failed.
The Air Force has adopted the most decentralized approach, in which each MTF is responsible for implementing its own treatment protocols and definitions. Air Force regulations now authorize a 5-year shaving profile for medical reasons, including PFB. The Air Force also has spearheaded efforts to create more inclusive policies. A study of 10,000 active-duty male Air Force members conducted by Air Force physicians found that shaving waivers were associated with longer times to promotion. Although self-identified race was not independently linked to longer promotion times, more Black service members were affected because of a higher prevalence of PFB and shaving profiles.22

The Navy has outlined the most specific timeline for therapy for PFB. The regulations allow a 60-day temporary shaving chit that expires on the day of the appointment with the dermatologist or PCM. Although sailors were previously mandated to fully grow out their beards without modifications during the 60-day shaving chit period, Navy leadership recently overturned these requirements. However, permanent shaving chits are still not authorized in the Navy.

Service members are trying to destigmatize shaving profiles and facial hair in our military. A Facebook group called DoD Beard Action Initiative has more than 17,000 members and was created in 2021 to compile testimonies and data regarding the effects of PFB on airmen.23 Soldiers also have petitioned for growing beards in the garrison environment with more than 100,000 signatures, citing that North Atlantic Treaty Organization allied nations permit beard growth in their respective ranks.24 A Sikh marine captain recently won a lawsuit against the US Department of the Navy to maintain a beard with a turban in uniform on religious grounds.25

The clean-shaven look remains standard across the military, not only for uniformity of appearance but also for safety concerns. The Naval Safety Center’s ALSAFE report concluded that any facial hair impedes a tight fit of gas masks, which can be lethal in chemical warfare. However, the report did not explore how different hair lengths would affect the seal of gas masks.26 It remains unknown how 0.25 inch of facial hair, the maximum hair length authorized for most PFB patients, affects the seal. Department of Defense occupational health researchers currently are assessing how each specific facial hair length diminishes the effectiveness of gas masks.27

Furthermore, the COVID-19 pandemic has led to frequent N95 respirator wear in the military. It is likely that growing a long beard disrupts the fitting of N95 respirators and could endanger service members, especially in clinical settings. However, one study confirmed that 0.125 inch of facial hair still results in 98% effectiveness

### Governing Regulations and Guidelines by Military Branch for Pseudofolliculitis Barbae

<table>
<thead>
<tr>
<th>Army</th>
<th>Air Force</th>
<th>Navy</th>
<th>Marine Corps</th>
</tr>
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<tbody>
<tr>
<td>Treatment approach</td>
<td>Mild: grooming modifications; moderate: topicals; severe: long-term profiles, LHR</td>
<td>Mild to moderate: grooming modifications and topicals; moderate to severe: grooming modifications and LHR</td>
<td>Mild: grooming modifications and topical; moderate to severe: grooming modifications and depilatory products; unresponsive: permanent profiles; optional: permanent profiles and LHR</td>
</tr>
<tr>
<td>Temporary profile duration</td>
<td>≤90 d</td>
<td>≤5 y</td>
<td>≤60 d; up to 1 y permitted</td>
</tr>
<tr>
<td>Permanent profile</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Notes</td>
<td>Providers can authorize profiles whenever clinically deemed appropriate</td>
<td>5-y profile is valid regardless of relocation to new duty station</td>
<td>Providers can authorize long-term chits with annual re-evaluations for PFB</td>
</tr>
<tr>
<td>PFB guidelines</td>
<td>TB MED 287 (December 2014)</td>
<td>Air Force Instructions 44-102 (March 2015) with Memorandum DAFGM2023-01 (September 2023)</td>
<td>BUPERS Instruction 1000.22C (October 2019), NAVADMIN 064/22 update (March 2021)</td>
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<tr>
<td>Profile document forms</td>
<td>DA 3349</td>
<td>AD Form 469</td>
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<tr>
<td>Grooming policies</td>
<td>AR 670-1</td>
<td>DAFI 36-2903</td>
<td>NAVPERS 15665J</td>
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Abbreviations: LHR, laser hair removal; MTF, military treatment facility; PFB, pseudofolliculitis barbae.
in filtering particles for the respirator wearers. Although unverified, it is surmisable that 0.25 inch of facial hair will effectively render all respirators useless. However, current Occupational Safety and Health Administration guidelines require fit tests to be conducted only on clean-shaven faces. Effectively, service members with facial hair cannot be fit-tested for N95 respirators. 

More research is needed to optimize treatment protocols and regulations for PFB in our military. As long as the current grooming standards remain in place, treatment of PFB will be a controversial topic. Guidelines will need to be continuously updated to balance the needs of our service members and to minimize risk to unit safety and mission success. Department of Defense Instruction 6130.03, Volume 1, revised in late 2022, now no longer designates PFB as a condition that disqualifies a candidate from entering service in any military branch. The Department of Defense is demonstrating active research and adoption of policies regarding PFB that will benefit our service members.

REFERENCES