

Army Medical Education Directorate: Annual Update

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Overview

- HPSP background information
- Graduate medical education (GME) information and updates:
 - Residency options
 - PGY-1 match
 - Fellowships
- General Medical Officer (GMO) Tours
- Career progression
- Contact information



Army Health Professions Scholarship Program

- 161 medical schools
 - 270 graduates annually (80% of active duty physicians)
- Commissioned as 2LT in US Army Reserve (IRR)
- 100% tuition and authorized books/fees paid
- Monthly stipend (\$2,239.30/month) for 10.5 months each year
- Military pay (about \$6000) annually for 45 days Active Duty Training
- Obligation is 1 year on active duty for each year of sponsorship in HPSP (2 years minimum) or 4 years with the Critical Skills Accession Bonus



HPSP: Active Duty for Training (ADTs)

- Training programs located on website
- 1st level: Basic Officer Leader Course (BOLC)
- 2nd level: BOLC if not yet completed or school ADT or rotation at an Army community hospital
- 3rd and 4th levels: BOLC if not yet completed and clinical/audition rotations at Army hospitals
- Any year once completed BOLC: Research rotation
- If students do not complete BOLC while in medical school, they will attend the course en route to their PGY-1 training sites and start internship approximately 6-8 weeks late.



HPSP: Deadlines

- USMLE Step 1/COMLEX Level 1
 - Score due to HPSP office by September 15th of 3rd year
- USMLE Step 2 CK/COMLEX Level 2 CE Score
 - October 15th of 4th year
- Step 2 CS/Level 2 PE
 - February 15th of 4th year

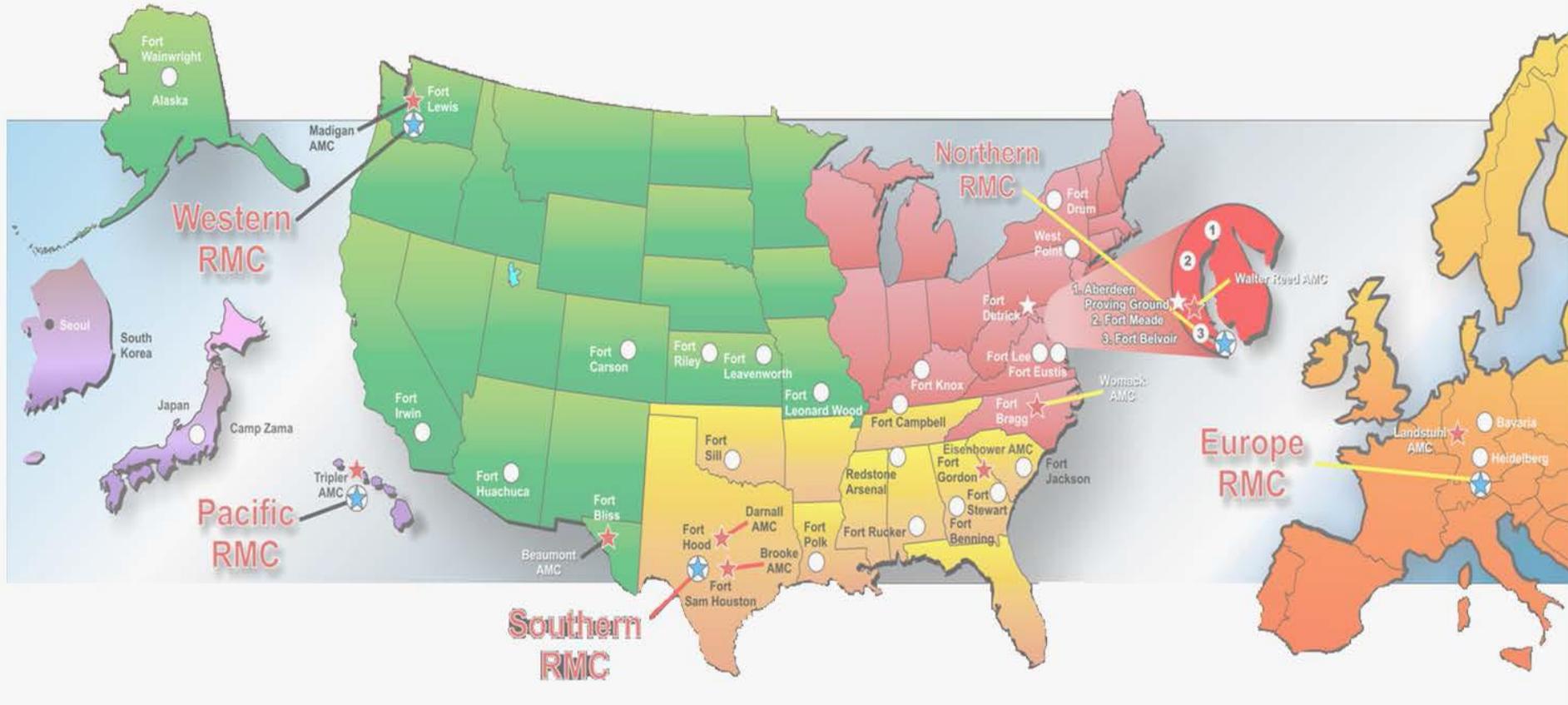


Army Graduate Medical Education

- 29-33% of active duty Medical Corps officers are in GME at any given time
- Largest program in the military: 1522 physicians
 - 1400 training in in-house programs; 96 in Army-sponsored civilian training; 26 in educational delay
- All Specialties
 - 12 training facilities; 71 residencies; 73 fellowships
- All programs accredited and in good standing by the Accreditation Council for Graduate Medical Education
- 95% first time specialty board pass rate (civilian 86-87%)



Regional Medical Commands Teaching Hospitals



Walter Reed NMMC
Eisenhower AMC
William Beaumont AMC

Womack AMC
Martin ACH
Madigan AMC

Ft. Belvoir Community Hospital
Carl R. Darnall AMC
Tripler AMC

Keller ACH (West Point)
San Antonio Military Med Center



Residencies

- Internal Medicine
- Family Medicine
- Emergency Medicine
- Pediatrics
- Obstetrics/Gynecology
- General Surgery
- Neurosurgery
- Orthopaedics
- Urology
- Otolaryngology
- Preventive Medicine*/
Occupational Medicine*
- Dermatology
- Radiation Oncology
- Radiology
- Anesthesiology
- Aerospace Medicine*
- Neurology
- Pathology
- Psychiatry
- Physical Medicine and
Rehabilitation
- Ophthalmology

* Specialty does not offer continuous contract; must reapply for PGY-2 year.



ARMY FIRST YEAR GRADUATE MEDICAL EDUCATION: PGY-1 Programs for the 2016 Selection Board

***2018 residency slots, training locations, and information to be released in
July 2017**

| SPECIALTY | SAUSHEC | EAMC | MAMC | TAMC | NCC | WBAMC | WAMC | CRDAMC | Martin ACH | VA-DoD/Civ. |
|---------------------------|---------|------|------|------|-----|-------|------|--------|------------|-------------|
| Emergency Medicine | X | | X | | | | | X | | X |
| Family Medicine | | X | X | X | X | | X | X | X | |
| General Surgery | X | X | X | X | X | X | | | | |
| GS Neurosurgery | | | | | X | | | | | X |
| GS Urology | X | | X | X | X | | | | | X |
| Internal Medicine | X | X | X | X | X | X | | | | |
| Neurology | | | X | | X | | | | | |
| OB-GYN | X | | X | X | X | X | X | | | |
| Orthopaedics | X | X | X | X | X | X | | | | |
| Otolaryngology | X | | X | X | X | | | | | |
| Pathology | X | | X | | X | | | | | |
| Pediatrics | X | | X | X | X | | | | | |
| Psychiatry | | | | X | X | | | | | |
| Transitional | X | X | X | X | | X | | | | |
| Anesthesiology | X | | | | X | | | | | |
| Prelim Dermatology | X | | | X | X | X | | | | |
| Prelim Ophthalmology | X | X | X | X | X | X | | | | |
| Prelim Physical Medicine | | | | | X | | | | | |
| Prelim Radiology(DIAG) | X | | X | X | X | | | | | X |
| Prelim Radiation Oncology | | | | | X | | | | | |

SAUSHEC –Brooke Army Medical Center, Fort Sam Houston, TX/Wilford Hall Medical Center, Lackland AFB, TX/University of Texas, San Antonio, TX

NCC –Walter Reed National Military Medical Center, Bethesda, MD/Fort Belvoir Community Hospital, Fort Belvoir, VA

/Malcolm Grow Medical Center, Andrews AFB, MD/USUHS



VA-DoD Training Opportunities

- VA-DoD:
 - Emergency Medicine
 - Medical College of Georgia- Augusta University
 - Neurosurgery:
 - University of Florida; University of Texas- San Antonio
 - Radiology:
 - Medical College of Georgia- Augusta University
 - Urology:
 - University of Texas- San Antonio (PGY-1: SAMMC);
Duke University (PGY-1: WRNMMC)



The PGY-1 (Internship) Match

- All obligated medical students (HPSP, USU, ROTC Educational Delay) are required to apply
- PGY-1 Letter of Instruction (LOI) and Fact Sheet released to 4th year students in July
- Encourage 3rd and 4th level ADTs at top residency choices
- Computerized match similar to the NRMP
 - Computer sorts and matches using student's priority and program's order of merit ranking



PGY-1 Match

- Mid December anticipated notification of match results
- Most competitive specialties:
 - Emergency Medicine
 - Physical Medicine (PM&R)
 - Surgical Specialties: General Surgery; Orthopaedics;
- Historically, 80-85% will match into first choice of specialty



PGY-1 Match

- Options for students that do not match into their primary specialty:
 - Rebuttal board for unfilled positions:
 - 2014- Internal Med; Pathology; Pediatrics; Neurology
 - 2015- Dermatology; Internal Med; Ob/Gyn; Pathology; Radiology
 - 2016- Family Med; Internal Med; Psychiatry
 - Transitional Year:
 - Apply for PGY-2 position
 - 2016 Match: >50% selection rate
 - General Medical Officer Tour



PGY-1 Match: Civilian Training

- Expectation to match into an Army residency programs
- Historically, maximum of 1-2% of students receive civilian training (Army sponsored or deferred)
 - Needs of the Army
 - Very extenuating family circumstances
- Must withdraw from the civilian match if selected for any military PGY-1 position
- Not authorized for combined training programs (Med/Peds)



Applications For PGY-1 Positions: Applicants Per Approved Positions

| SPECIALTY (Positions Offered) | 2013 | 2014 | 2015 | 2016 | 2017 |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Emergency Medicine (32) | 1.76 | 1.40 | 1.26 | 1.33 | 1.5 |
| Family Medicine (47) | 0.72 | 1 | 1.02 | 0.93 | 0.64 |
| General Surgery (24) | 1.38 | 1.41 | 1.59 | 1.26 | 1.25 |
| General Surgery: Neurosurgery (1) | 1.67 | 1.25 | 1 | 0.75 | 3.0 |
| General Surgery: Urology (6) | 1.29 | 1.80 | 1.20 | 1.50 | 0.67 |
| Internal Medicine (58) | 0.97 | 0.66 | 0.63 | 0.79 | 0.78 |
| Neurology (4) | 0.67 | 1 | 0.50 | 1.50 | 1.75 |
| OB-GYN (18) | 1.06 | 1.28 | 0.95 | 0.74 | 1.22 |
| Orthopaedics (20) | 1 | 0.95 | 1.52 | 1.26 | 1.40 |
| Otolaryngology (7) | 0.83 | 1.43 | 1.57 | 1.38 | 1.14 |
| Pathology (9) | 0.44 | 0.56 | 0.78 | 0.67 | 0.56 |
| Pediatrics (28) | 0.89 | 1.11 | 0.82 | 1.07 | 1.20 |

*Number of positions offered in 2016 PGY-1 match; 2017 positions pending approval of the school year plan.



Applications For PGY-1 Positions: Applicants Per Approved Positions (continued)

| SPECIALTY(Positions Offered)* | 2012 | 2013 | 2014 | 2015 | 2016 |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Anesthesiology (12) | 1.09 | 1.25 | 1.25 | 0.92 | 1.21 |
| Prelim: Dermatology (7) | 0.63 | 1.43 | 1.71 | 1.71 | 0.71 |
| Prelim: Ophthalmology (7) | 1.57 | 1.71 | 0.86 | 1 | 0.86 |
| Prelim: Physical Medicine (3) | 3.33 | 1 | 3 | 1.33 | 2.0 |
| Prelim: Radiology (13) | 0.94 | 1.14 | 1.14 | 1.15 | 0.79 |
| Psychiatry (17) | 0.82 | 0.35 | 0.82 | 1.24 | 1.00 |
| Psychiatry/Internal Medicine (1) | 0 | 0 | 2.0 | 4.0 | 2.0 |

*Number of positions offered in 2016 PGY-1 match, 2017 positions pending approval of the school year plan



Board Scores for Matched HPSP/USUHS Students(class of 2017)

| 2014 national mean for matched US students (step 1/step 2) | USMLE Step 1 Mean (Range) | USMLE Step 2 Mean (Range) | COMLEX Lvl 1 Mean (Range) | COMLEX Lvl 2 Mean (Range) |
|--|---------------------------|---------------------------|---------------------------|---------------------------|
| Neurology (230/241) | 238 (221-256) | 251 (232-273) | | |
| Psychiatry (220/232) | 219 (202-234) | 232 (212-250) | 478 (432-511) | 454 (405-498) |
| Internal Medicine (233/245) | 232 (197-271) | 248 (218-271) | 522 (403-682) | 555 (419-714) |
| Family Medicine (218/233) | 208 (193-208) | 234 (207-263) | 513 (407-642) | 508 (402-693) |
| General Surgery (232/247) | 234 (200-259) | 253 (225-262) | 582 (529-667) | 632 (578-716) |
| Orthopaedic Surgery (246/253) | 247 (221-267) | 253 (230-273) | 633 (586-680) | 606 (590-622) |



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| 2014 national mean for matched US students (step 1/step 2) | USMLE Step 1 Mean (Range) | USMLE Step 2 Mean (Range) | COMLEX Lvl 1 Mean (Range) | COMLEX Lvl 2 Mean (Range) |
|--|---------------------------|---------------------------|---------------------------|---------------------------|
| OB/GYN (227/242) | 223 (197-243) | 238 (218-262) | 542 (461-609) | 551 (440-604) |
| Urology | 240 (221-267) | 248 (227-274) | | |
| Dermatology (249/257) | 241 (223-258) | 248 (234-270) | 598 (581-614) | 698 (674-721) |
| Anesthesiology (230/241) | 222 (203-243) | 230 (220-238) | 539 (491-606) | 597 (505-714) |
| Pediatrics (227/241) | 225 (199-260) | 227 (222-261) | 544 (483-596) | 553 (440-646) |
| Ophthalmology | 234 (230-237) | 231 (227-234) | 595 (578-612) | 641 (615-667) |
| Otolaryngology (249/254) | 247 (234-259) | 250 (219-264) | | |



Board Scores for Matched HPSP/USUHS Students(class of 2017)

| 2014 national mean for matched US students (step 1/step 2) | USMLE Step 1 Mean (Range) | USMLE Step 2 Mean (Range) | COMLEX Lvl 1 Mean (Range) | COMLEX Lvl 2 Mean (Range) |
|--|---------------------------|---------------------------|---------------------------|---------------------------|
| Pathology (231/242) | 225 (203-243) | 234 (218-249) | ** | ** |
| Neurosurgery (230/243) | ** | ** | | |
| Emergency Medicine (230/232) | 230 (204-259) | 241 (223-264) | 592 (521-694) | 638 (554-784) |
| Diagnostic Radiology (243/250) | 243 (221-257) | 249 (226-261) | 623 (593-675) | 636 (590-679) |
| PM&R (219/234) | ** | ** | 582 (569-594) | 506 (496-517) |
| ** Data restricted to protect student privacy | | | | |



General Medical Officer (GMO) Assignments



- After completion of PGY-1 year if not selected for GME training
- Many US and overseas locations
- Variety of assignments: clinic based; flight surgery; operational
- 12-24 months minimum time on station requirements to resume graduate medical education training
 - Time on station requirements vary with assignments, duty locations, and needs of the Army



Fellowships

- Military and civilian-sponsored fellowship training opportunities
- Fellowship opportunities: programs, training locations, and information released annually in July and reflect the needs of the Army
- Expectation of utilization tour following residency completion and prior to fellowship training
 - May be selected from residency pending needs of the Army; 58% current resident selection rate in 2016 board
- Follow on assignments in large medical centers, residency training programs



Potential Fellowship Opportunities

*Fellowship opportunities: programs, training locations, and information released annually in July and reflect the needs of the Army

- **Aerospace Medicine:** Hyperbaric Medicine
- **Dermatology:** Dermatopathology; Immunodermatology; MOHS/Dermatologic Surgery; Pediatric Dermatology
- **Emergency Medicine:** Austere and Wilderness Medicine; Emergency Medicine Cardiology; Emergency Medicine Services and Disaster Medicine; Emergency Toxicology; Pediatric Emergency Medicine; Sports Medicine; Ultrasound
- **Family Medicine:** Family Medicine OB; GI/Colonoscopy, Hospitalist; Sports Medicine
- **General Surgery:** Plastic Surgery; Thoracic Surgery; Vascular Surgery; Colon/Rectal Surgery; Minimally Invasive Surgery; Organ Transplant Surgery; Pediatric Surgery; Surgical Oncology; Trauma/Critical Care Surgery



Potential Fellowship Opportunities

- **Internal Medicine:** Cardiology, Advanced Cardiovascular Imaging, Advanced Heart Failure, Electrophysiology, Interventional Cardiology; Critical Care; Endocrinology; Gastroenterology, Advance Biliary Endoscopy; General Internal Medicine; Geriatric Medicine; Hematology/Oncology; IM Hospitalist; Infectious Disease; Nephrology; Pulmonary/CCM; Rheumatology
- **Neurology:** Behavior Neurology; Child Neurology; Clinical Neurophysiology; Epilepsy; Headache Medicine; Interventional Neurology; Movement Disorder; Neuro Critical Care; Neuro Immunology; Neuro Oncology; Neuro Ophthalmology; Neuromuscular Disease
- **Neurosurgery:** Epilepsy Neurosurgery; Neuro Trauma/CC; Neurosurgery Oncology; Pain and Functional Neurosurgery; Pediatric Neurosurgery; Peripheral Nerve; Skull Base Neurosurgery; Spine Neurosurgery; Vascular Neurosurgery



Potential Fellowship Opportunities

- **Ob/Gyn:** Female Pelvic Medicine and Reconstructive Surgery; GYN Oncology; Gynecologic Minimally Invasive Surgery; Maternal and Fetal Medicine; Reproductive Endocrinology
- **Ophthalmology:** Corneal/External Disease; Glaucoma; Neuro Ophthalmology; Oculoplastic/Orbital Surgery; Ophthalmic Pathology; Pediatric Ophthalmology; Retinal Surgery; Uveites
- **Orthopaedics:** Adult Reconstructive/Total Joint; Sports Medicine; Foot and Ankle; Hand Surgery; Musculoskeletal Oncology; Orthopaedic Trauma; Pediatric Orthopaedics; Shoulder and Elbow Surgery; Spine Surgery
- **Otolaryngology:** Facial Plastic/Reconstructive Surgery; Head and Neck Surgery; Neurotology; Rhinology



Potential Fellowship Opportunities

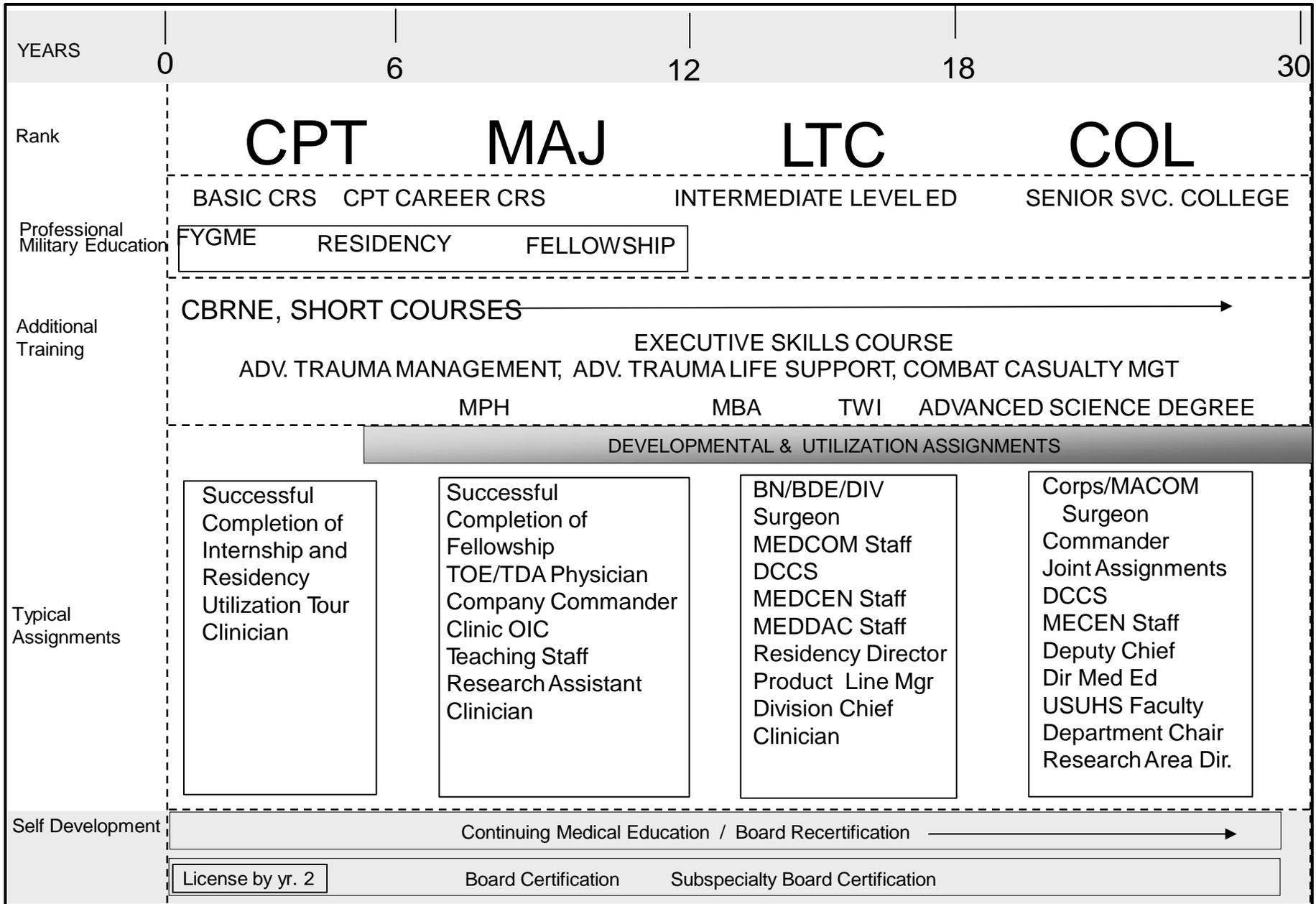
- **Pathology:** Blood Banking/Transfusion Medicine; Cytopathology; Dermatopathology; Neuro Pathology
- **Pediatrics:** Academic Pediatrics; Child Abuse; Developmental Pediatrics; Neonatology; Cardiology; Critical Care Medicine; Endocrinology; Gastroenterology; Hematology/Oncology; Infectious Disease; Nephrology; Pulmonary Disease; Pulmonary/Critical Care Medicine; Rheumatology
- **Physical Medicine:** Pediatric Rehabilitation; Neuromuscular/EMG; Sports Medicine; Traumatic Brain Injury
- **Preventive/Public Health Medicine:** Occupational Medicine; Preventive Medicine
- **Psychiatry:** Additional Psychiatry; Child/Adolescent Psychiatry; Forensic Psychiatry; Preventive Psychiatry; Psychosomatic/Geriatric Psychiatry



Potential Fellowship Opportunities

- **Radiology:** Breast Imaging; Cardiac Imaging; Musculoskeletal Imaging; Neuroradiology; Pediatric Radiology; Vascular/Interventional Radiology
- **Urology:** Endourology; Female Urology; General Urology; Impotence and Infertility; Organ Transplant Surgery; Pediatric Urology; Stone/Laparoscopy Disease; Trauma Reconstructive Urological Surgery; Urological Oncology
- **Additional opportunities available to multiple specialties:** Adolescent Medicine; Allergy; Clinical Genetics; Clinical Informatics; Clinical Investigation; Clinical Pharmacology; Critical Care Ultrasound; Faculty Development; Health Professions Education; Nuclear Medicine; Pain Management; Palliative Medicine; Sleep Medicine
- **Leadership Development:** Baylor Health Care Administration

Medical Corps Officer Career Progression





Questions?

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Army Medicine

Serving the nation since 1775



China 1944



44th MASH, Korea
1954



Radiology residents
1968

Serving to Heal...Honored to Serve

