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# ARMY MEDICAL EDUCATION DIRECTORATE: ANNUAL HPSP UPDATE

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- **HPSP background information**
- **Graduate medical education (GME) information and updates:**
  - Residency options
  - PGY-1 match
  - Fellowships
- **Career progression**
- **Contact information**





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## Army HPSP

- **168 Allopathic and Osteopathic medical schools**
  - 275 graduates annually (80% of active duty physicians)
- **Commissioned as 2LT in US Army Reserve (IRR)**
- **100% tuition and authorized books/fees paid**
- **Monthly stipend (\$2,330.78/month) for 10.5 months each year**
- **Military pay (approximately \$6,000) annually for 45 days (remaining 1.5 months of the calendar year) 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 Accession Bonus**



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## HPSP: Active Duty for Training

- **Active Duty for Training (ADTs)**
- **1<sup>st</sup> level: Basic Officer Leader Course (BOLC)**
  - Direct Commission Course (DCC) is a prerequisite for BOLC; exceptions are for USMA; ROTC; and OCS graduates
- **2<sup>nd</sup> level: BOLC if not yet completed or school ADT or rotation at an Army community hospital**
- **3<sup>rd</sup> and 4<sup>th</sup> levels: BOLC if not yet completed and clinical/audition rotations at Army hospitals**
- **If unable to complete BOLC while in medical school, students will attend the course enroute to their PGY-1 training sites and start internship approximately 6-8 weeks late**



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

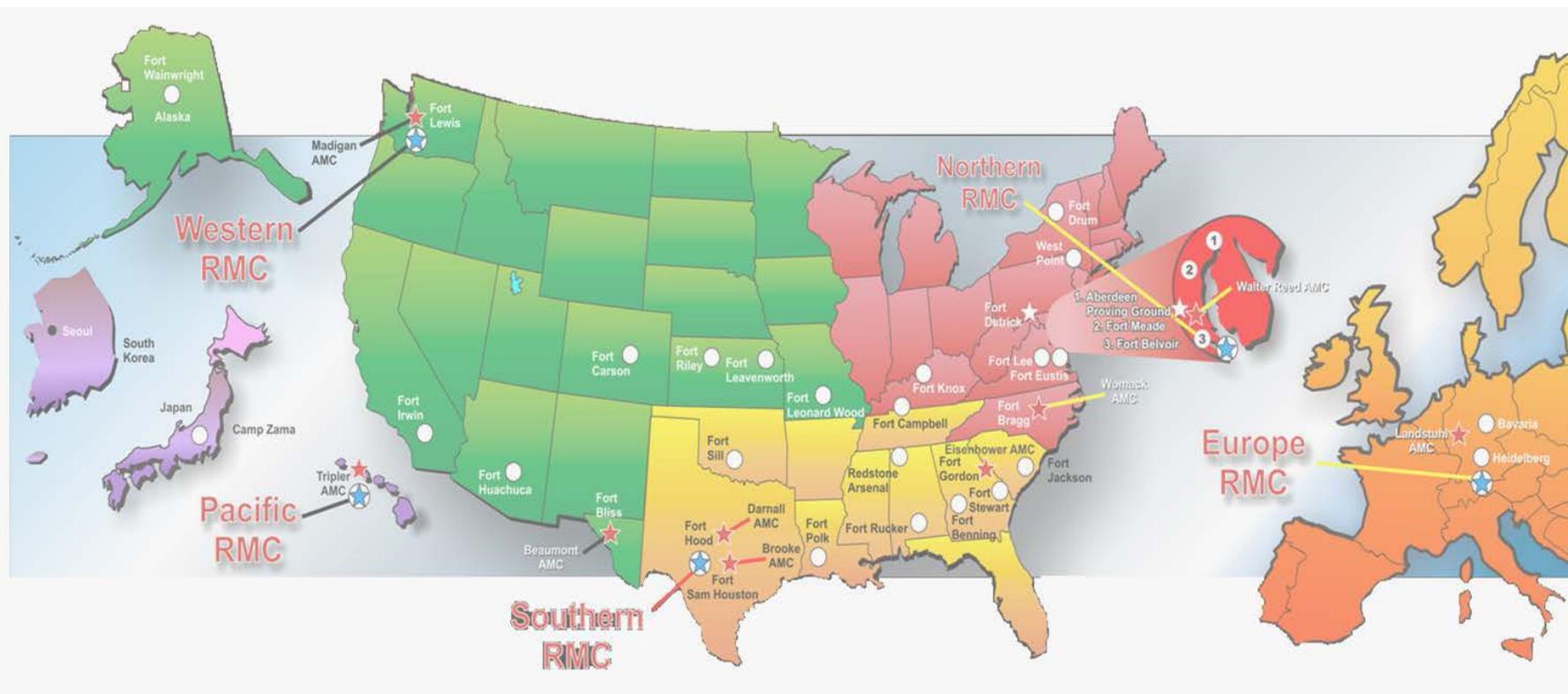
\*Notify our office as soon as possible if you will be unable to meet these deadlines



- **29-33% of active duty Medical Corps officers are in GME at any given time**
- **Largest program in the military: 1568 physicians**
  - 1431 training in in-house programs; 128 in Army-sponsored civilian training; 9 in educational delay
- **All Specialties**
  - 11 training hospitals; 71 residencies; 73 fellowships
- **All eligible programs accredited and in good standing by the Accreditation Council for Graduate Medical Education (ACGME)**
- **96% first time specialty board pass rate (civilian 86- 87%)**



# GME Training Locations



Tripler AMC  
 Madigan AMC  
 William Beaumont AMC  
 Brooke AMC  
 Carl R. Darnall AMC

Martin ACH (Ft Benning)  
 Eisenhower AMC  
 Womack AMC  
 WRNMMC/Ft Belvoir  
 Keller ACH (West Point)



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# Army GME Training Locations

	#Transitional Year Programs	# Residency Programs	# Fellowship Programs	Total # Programs
Natl Capital Consortium WR/FB/USU	1	20	37	56
Madigan Army Medical Center	1	15	8	24
San Antonio Military Med Center	1	13	21	35
Tripler Army Medical Center	1	10	3	14
DD Eisenhower Army Medical Center	1	4		5
William Beaumont Army Med Center	1	3		4
Carl R Darnall Army Medical Center		2	2	4
Womack Army Medical Center		2	1	3
Martin Army Community Hospital		1		1
USA School of Aviation Med- Rucker		1		1
Keller Army Community Hospital			1	1
<b>TOTALS</b>	<b>6</b>	<b>71</b>	<b>73</b>	<b>150</b>



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## Residency Programs

- **Internal Medicine**
- **Family Medicine**
- **Emergency Medicine**
- **Pediatrics**
- **Obstetrics/Gynecology**
- **General Surgery**
- **Neurosurgery**
- **Orthopaedics**
- **Urology**
- **Otolaryngology**
- **Preventive Medicine/  
Occupational Medicine  
(Apply at PGY-2 level)**
- **Dermatology**
- **Radiation Oncology**
- **Radiology**
- **Anesthesiology**
- **Aerospace Medicine (Apply  
at PGY-2 level)**
- **Neurology**
- **Pathology**
- **Psychiatry**
- **Physical Medicine and  
Rehabilitation**
- **Ophthalmology**



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## Civilian Partnerships for Training

- Emergency Medicine:
  - Medical College of Georgia
- General Surgery:
  - University of Texas- Houston
  - Oregon Health and Science University (OHSU- Portland, OR)
- Neurosurgery:
  - University of Florida
  - University of Texas- San Antonio
  - Baylor
- Urology:
  - University of Texas- San Antonio
  - Duke University

\*ADTs are not authorized at these civilian training locations



- **All obligated medical students (HPSP; USU; ROTC Educational Delay) are required to apply**
- **PGY-1 Letter of Instruction (LOI) and Fact Sheet release to 4<sup>th</sup> year students on or about 1 July 2019**
- **Computerized match similar to the NRMP**
  - Computer sorts and matches using student's priority and programs' order of merit rankings
  - Follow on rebuttal (scramble) match
- **Approximately 85% will match into first choice of specialty**
- **Most competitive specialties: Dermatology; Emergency Medicine; Physical Medicine; Surgical Specialties; Radiology**
- **Multiple options for those that do not match into specialty of choice**



- **Options for students that do not match into their primary specialty:**
  - Rank secondary specialty on application
  - Rebuttal board (Scramble) for unfilled positions:
    - 2015- Dermatology; Internal Med; Ob/Gyn; Pathology; Radiology
    - 2016- Family Med; Internal Med; Psychiatry
    - 2017- Anesthesia; Family Med; Internal Med; Pathology; Urology
    - 2018- Family Med; Internal Med
  - Transitional Year:
    - Apply for PGY-2 position
    - General Medical Officer Tour



- **Expectation to match into the military residency programs**
- **Historically, maximum of 1-2% of students receive civilian training opportunities:**
  - Needs of the Army
    - General Surgery- 2016; 2017; 2018 PGY-1 Match
    - Orthopaedics- 2018 PGY-1 Match
    - 2019: Anticipate Emergency Medicine; General Surgery; Orthopaedics
  - Very extenuating family circumstances
- **Not an option to enter/remain in the civilian match if not selected for desired specialty in the Army match**
- **Not authorized for combined training programs (Med/Peds)**



# Applications For PGY-1 Positions: Applicants Per Approved Positions

<b>SPECIALTY (Positions Offered)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
Emergency Medicine (32)	1.26	1.33	1.5	1.44	0.97
Family Medicine (47)	1.02	0.93	0.64	0.64	0.83
General Surgery (25)	1.59	1.26	1.25	1.08	1.40
General Surgery: Neurosurgery (1)	1.0	0.75	3.0	1.0	2.0
Urology (6)	1.20	1.50	0.67	0.67	0.71
Internal Medicine (58)	0.63	0.79	0.78	0.88	0.72
Neurology (5)	0.50	1.50	1.75	1.25	1.0
OB-GYN (15)	0.95	0.74	1.22	1.31	1.46
Orthopaedics (19)	1.52	1.26	1.40	1.58	1.58
Otolaryngology (6)	1.57	1.38	1.14	1.14	1.83
Pathology (7)	0.78	0.67	0.56	0.75	1.0
Pediatrics (22)	0.82	1.07	1.20	1.17	0.95

\*Number of positions offered in 2018 PGY-1 match; 2019 positions pending approval of the school year plan.



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<b>SPECIALTY (Positions Offered)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
Anesthesiology (13)	0.92	1.21	1.0	0.92	1.38
Prelim: Dermatology (6)	1.71	0.71	1.0	1.14	2.17
Prelim: Ophthalmology (6)	1.0	0.86	0.43	1.0	0.83
Prelim: Physical Medicine (3)	1.33	2.0	2.33	1.0	2.33
Prelim: Radiology (13)	1.15	0.79	1.29	1.85	1.15
Prelim: Radiation Oncology (0)			1.0		1.0
Psychiatry (17)	1.24	1.0	0.65	1.18	1.29
Psychiatry/Internal Medicine (2)	2.0	1.0	1.0	0.5	1.0

\*Number of positions offered in 2018 PGY-1 match; 2019 positions pending approval of the school year plan.



<b>2014 national mean for matched US students (step 1/step 2)</b>	<b>USMLE Step 1 Mean (Range)</b>	<b>USMLE Step 2 Mean (Range)</b>	<b>COMLEX Level 1 Mean (Range)</b>	<b>COMLEX Level 2 Mean (Range)</b>
<b>Neurology (230/241)</b>	240 (236-244)	244 (240-252)	**	**
<b>Psychiatry (220/232)</b>	229 (203-250)	239 (216-260)	557 (465-675)	600 (529-665)
<b>Internal Medicine (233/245)</b>	230 (195-256)	245 (225-265)	575 (483-768)	624 (484-880)
<b>Family Medicine (218/233)</b>	219 (193-246)	238 (209-265)	524 (405-690)	550 (414-751)
<b>General Surgery (232/247)</b>	237 (209-260)	248 (211-269)	653 (548-813)	652 (550-800)
<b>Orthopaedic Surgery (246/253)</b>	244 (221-259)	253 (227-271)	716 (707-724)	682 (657-707)



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<b>OB/GYN (227/242)</b>	221 (194-255)	229 (207-267)	550 (523-581)	542 (498-573)
<b>Urology</b>	236 (225-248)	253 (245-267)		
<b>Dermatology (249/257)</b>	256 (254-259)	262 (253-269)	692 (644-783)	597 (543-650)
<b>Anesthesiology (230/241)</b>	230 (216-248)	243 (226-269)	571 (526-609)	585 (498-723)
<b>Pediatrics (227/241)</b>	228 (207-249)	232 (214-267)	540 (443-760)	547 (407-798)
<b>Ophthalmology</b>	241 (232-252)	260 (243-270)	**	**
<b>Otolaryngology (249/254)</b>	246 (213-260)	251 (234-262)		



2014 national mean for matched US students (step 1/step 2)	USMLE Step 1 Mean (Range)	USMLE Step 2 Mean (Range)	COMLEX Level 1 Mean (Range)	COMLEX Level 2 Mean (Range)
Pathology (231/242)	234 (211-250)	249 (238-252)	**	**
Neurosurgery (230/243)	**	**		
Emergency Medicine (230/232)	228 (200-260)	244 (210-271)	556 (466-607)	611 (459-763)
Diagnostic Radiology (243/250)	239 (213-257)	247 (226-262)	591(440-685)	667 (540-871)
PM&R (219/234)	**	**	**	**
** Data restricted to protect student privacy				



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## Fellowship Opportunities

- **Military and civilian-sponsored fellowship training opportunities**
- **Expectation of utilization tour following residency completion and prior to fellowship training**
  - May be selected from residency pending needs of the Army; approximately 50% selection rate in 2016; 2017; 2018 boards
- **Follow on assignments in large medical centers, residency training programs**



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## 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
- **Anesthesia:** Regional; Cardiac; Critical Care; Pediatric; Trauma Anesthesia
- **Dermatology:** Dermatopathology; MOHS/Dermatologic Surgery; Pediatric Dermatology
- **Emergency Medicine:** Austere and Wilderness Medicine; Emergency Medicine Services and Disaster Medicine; Emergency Toxicology; Pediatric Emergency Medicine; Sports Medicine; Ultrasound
- **Family Medicine:** Family Medicine OB; Hospitalist; Sports Medicine
- **General Surgery:** Plastic Surgery; Thoracic Surgery; Vascular Surgery; Colon/Rectal Surgery; Minimally Invasive Surgery; Pediatric Surgery; Surgical Oncology; Trauma/Critical Care Surgery



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## Potential Fellowship Opportunities

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- **Internal Medicine:** Cardiology; Advanced Cardiovascular Imaging; Electrophysiology; Interventional Cardiology; Critical Care; Endocrinology; Gastroenterology; General Internal Medicine; Geriatric Medicine; Hematology/Oncology; IM Hospitalist; Infectious Disease; Nephrology; Pulmonary/CCM; Rheumatology
- **Neurology:** Child Neurology; Clinical Neurophysiology; Epilepsy; Headache Medicine; Interventional/Critical Care; Neuro Immunology
- **Neurosurgery:** Neuro Trauma; Pediatric Neurosurgery; Spine Neurosurgery
- **Ob/Gyn:** Female Pelvic Medicine and Reconstructive Surgery; GYN Oncology; Gynecologic Minimally Invasive Surgery; Maternal and Fetal Medicine; Reproductive Endocrinology



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- **Ophthalmology:** Corneal/External Disease; Glaucoma; Neuro Ophthalmology; Oculoplastic/Orbital Surgery; Ophthalmic Pathology; Pediatric Ophthalmology; Retinal Surgery
- **Orthopaedics:** Adult Reconstructive/Total Joint; Sports Medicine; Foot and Ankle; Hand Surgery; Musculoskeletal Oncology; Pediatric Orthopaedics; Orthopaedic Trauma; Shoulder and Elbow Surgery; Spine Surgery
- **Otolaryngology:** Facial Plastic/Reconstructive Surgery; Head and Neck Surgery; Laryngology; Pediatric; Rhinology; Sleep Medicine Surgery
- **Pathology:** Blood Banking/Transfusion Medicine; Cytopathology; Dermatopathology; Forensic Pathology; Hematopathology



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- **Pediatrics:** Child Abuse; Developmental Pediatrics; Neonatology; Cardiology; Critical Care Medicine; Endocrinology; Gastroenterology; Hematology/Oncology; Infectious Disease; Nephrology; Pulmonary Disease
- **Physical Medicine:** Pediatric Rehabilitation; Sports Medicine; Traumatic Brain Injury
- **Psychiatry: Addiction Psychiatry;** Child/Adolescent Psychiatry; Forensic Psychiatry; Psychosomatic/Geriatric Psychiatry
- **Radiology:** Breast Imaging; Cardiac Imaging; Musculoskeletal Imaging; Neuroradiology; Pediatric Radiology; Vascular/Interventional Radiology



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## Potential Fellowship Opportunities

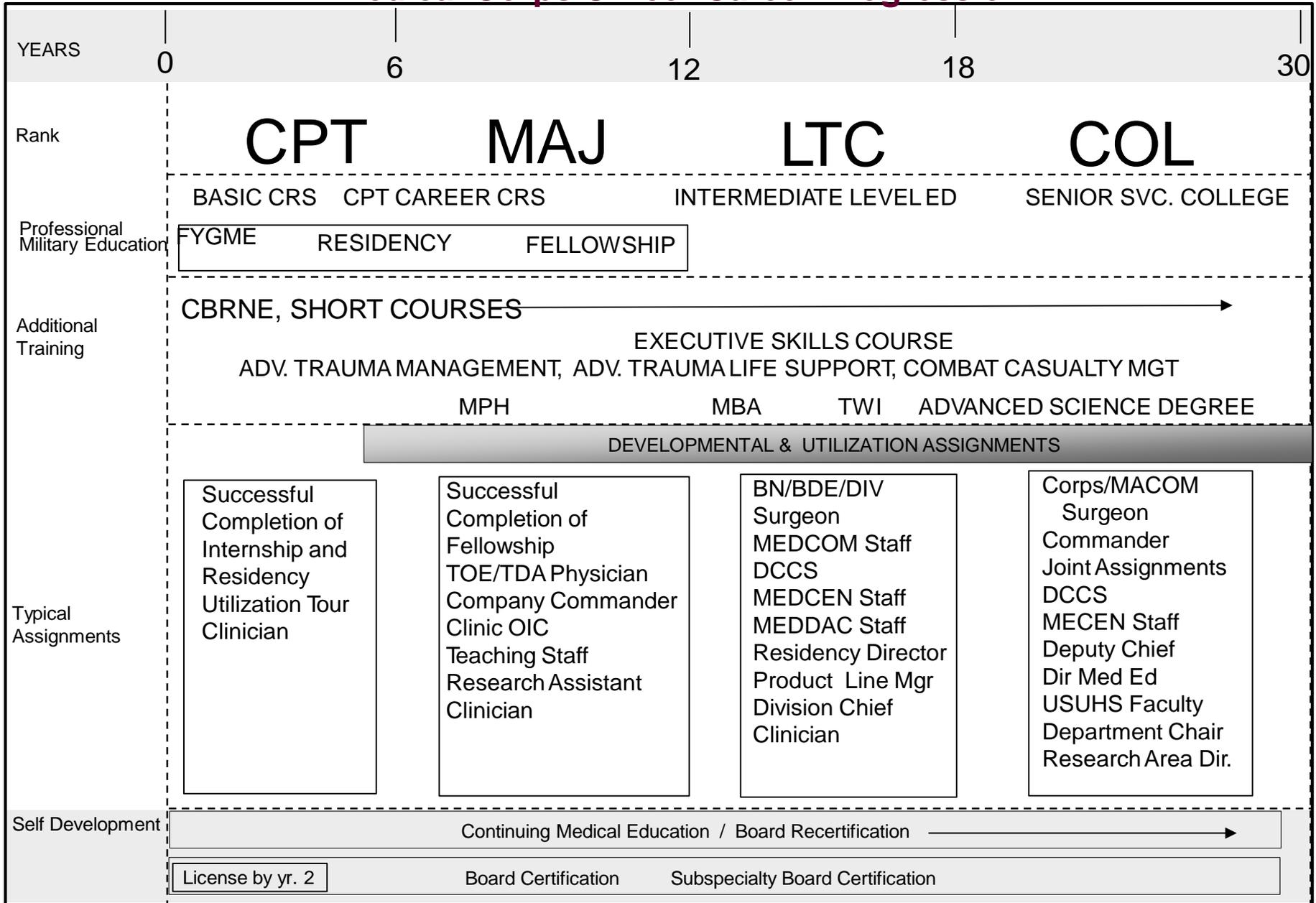
**\*Fellowship opportunities: programs, training locations, and information released annually in July and reflect the needs of the Army**

- **Urology:** Endourology; Female Urology; Impotence and Infertility; 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



- **Complete military training while in medical school:**
  - Direct Commission Course (DCC)
    - If commissioned after 1 October 2016
    - Prerequisite to BOLC
    - Exemption for OCS, ROTC and USMA graduates; prior service evaluated on individual basis
  - Basic Officer Leadership Course (BOLC)
- **Prioritize rotations at top residency choices**
- **Interviews for remaining locations**
- **Contact our office for assistance**
  - Joint domicile; inter-service transfers; other extenuating circumstances

# Medical Corps Officer Career Progression





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# Army Medical Education Directorate

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