



ARMY MEDICINE

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ARMY MEDICAL EDUCATION DIRECTORATE: ANNUAL BOLC UPDATE

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Deputy Director, Medical Education Directorate

June 2019



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Medical Education Directorate

- Falls Church, VA

- Undergraduate (ROTC, HPSP, USU)
- Graduate Medical Education
 - Residencies and Fellowships
- Continuing Medical Education
- Financial Management

- Our office is here to assist you as you navigate the continuum of medical education!





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- **Overview**
- **The Match**
- **Civilian Training Opportunities**
- **Fellowship Opportunities**
- **Contact information**
- **Questions**



- **168 Allopathic and Osteopathic medical schools**
- **Academic Credentials:**
 - Average GPA from college = 3.7
 - Average MCAT
 - 31 by old system
 - 509 by new system (82nd percentile)
- **Students are passing USMLE/COMLEX**
 - >98% will pass steps 1 and 2 on the first attempt
 - Everyone must pass steps 1 and 2 prior to starting GME



- **Army Senior Leaders understand the critical mission of Army GME**
- **Army Senior Leaders understand the importance of "growing our own" Army physicians**
- **There will be an increased focus on specialties with a direct operational mission:**
 - Primary Care
 - Emergency Medicine
 - General Surgery
 - Orthopaedics
- **We will continue to train in the breath of specialties**



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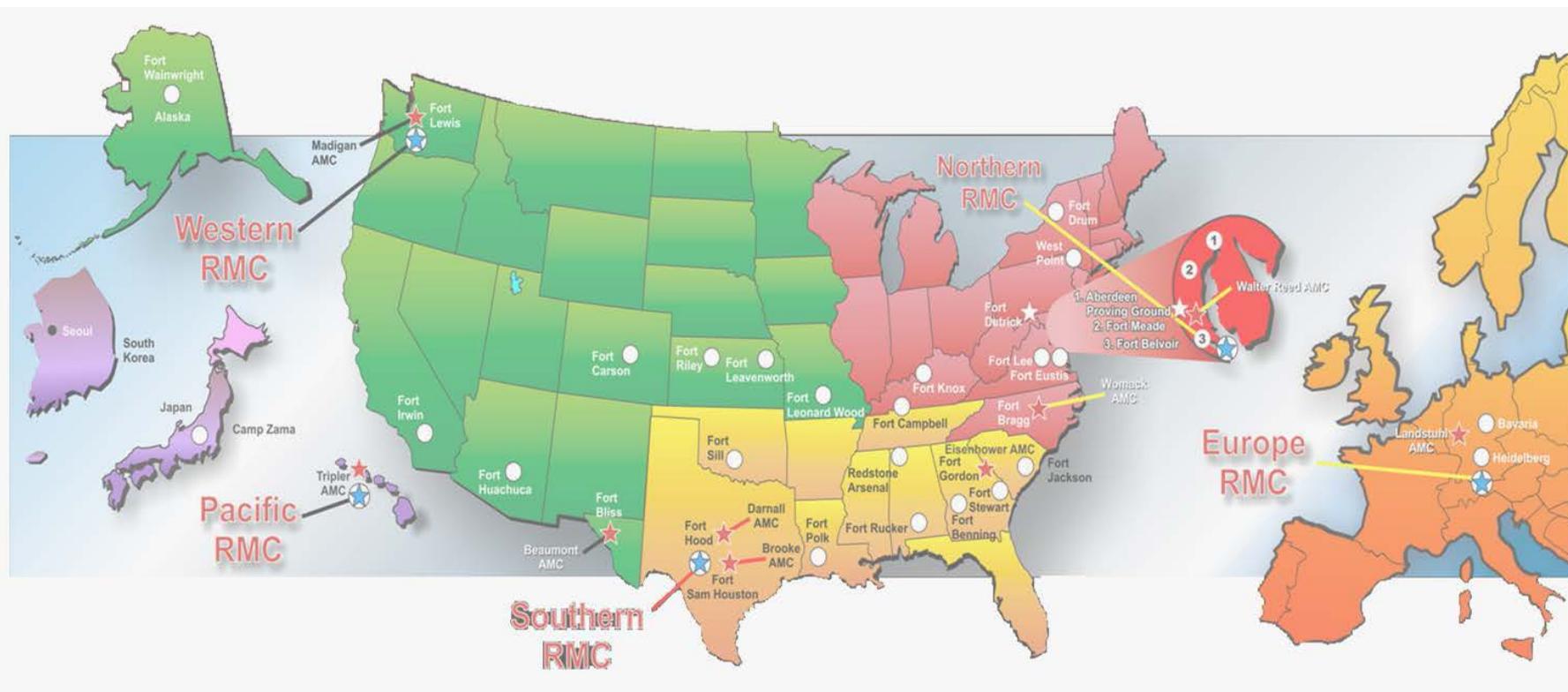
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Army Graduate Medical Education

- **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
TOTALS	6	71	73	150



- 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



- 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

*Apply to these via the Army application/match

*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 4th 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

SPECIALTY (Positions Offered)	2015	2016	2017	2018	2019
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
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.



Applications For PGY-1 Positions: Applicants Per Approved Positions

SPECIALTY (Positions Offered)	2015	2016	2017	2018	2019
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.



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



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



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Board Scores for Matched HPSP/USUHS Students(class of 2019)

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				



- **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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Fellowship Opportunities

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

- **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



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

- **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

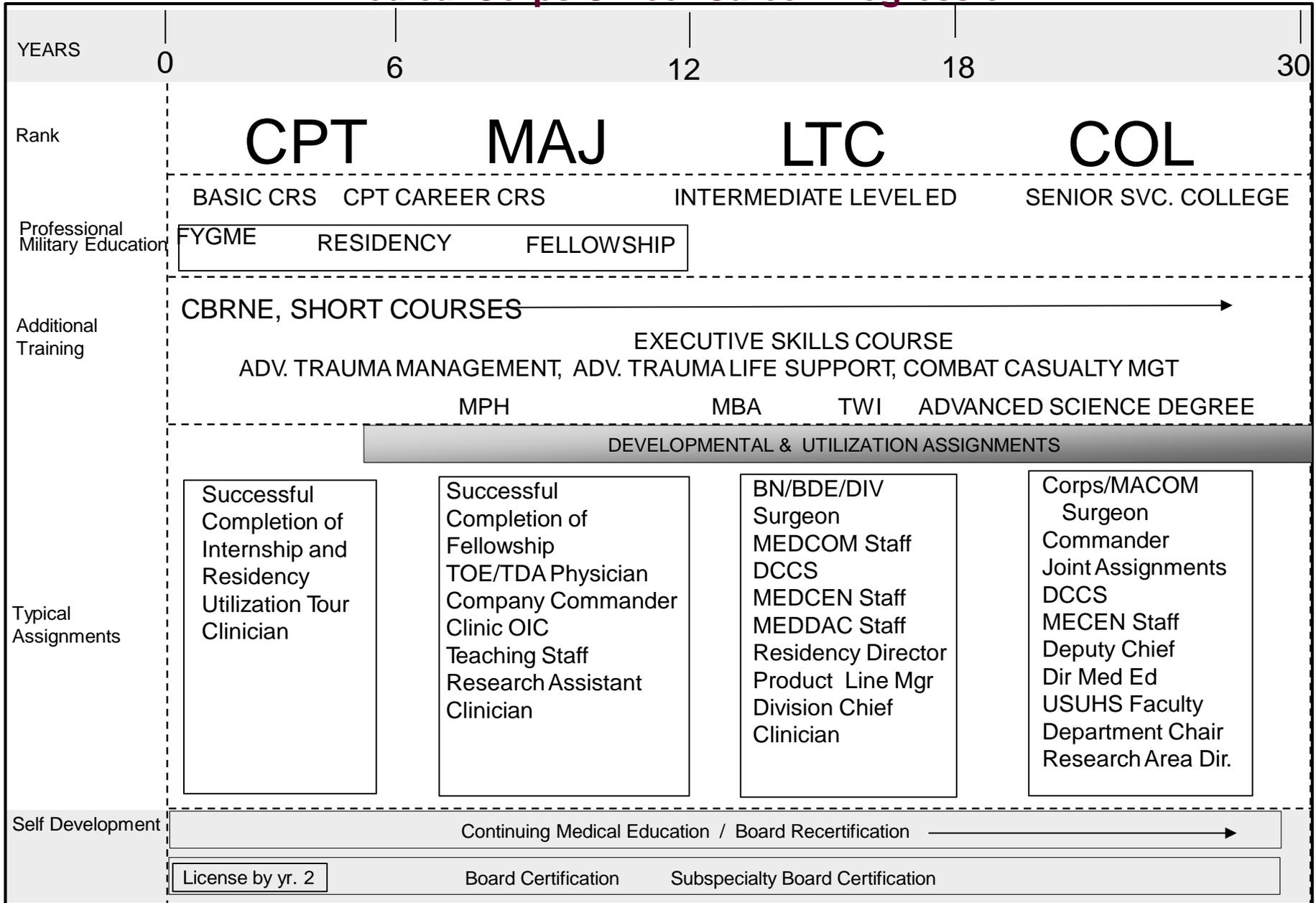
***Fellowship opportunities: programs, training locations, and information released annually in July and reflect the needs of the Army**

- **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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***COL Douglas Maurer (July 2019)**

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HPSP Student Advisors:

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- O-Z: Mr. Simmons; 703-681-0601; **dupree.simmons.civ@mail.mil**

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