



# Army Medical Education Directorate: Annual HPSP Update

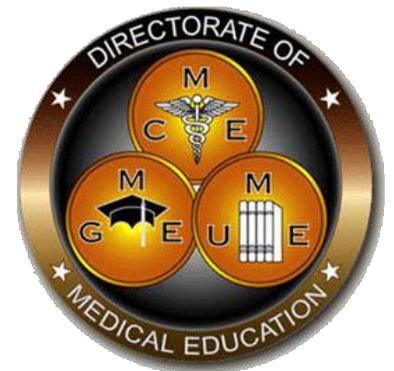
---

Christine F. Lettieri, MD  
COL, MC  
Deputy Director, Medical Education Directorate  
March 2018



# Overview

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





# Army Health Professions Scholarship Program

- 165 Allopathic and Osteopathic 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 (\$2,276.10/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



# HPSP: Active Duty for Training (ADTs)

- Training programs located on website
- 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 en route to their PGY-1 training sites and start internship approximately 6-8 weeks late



# HPSP: Key Deadlines

- 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

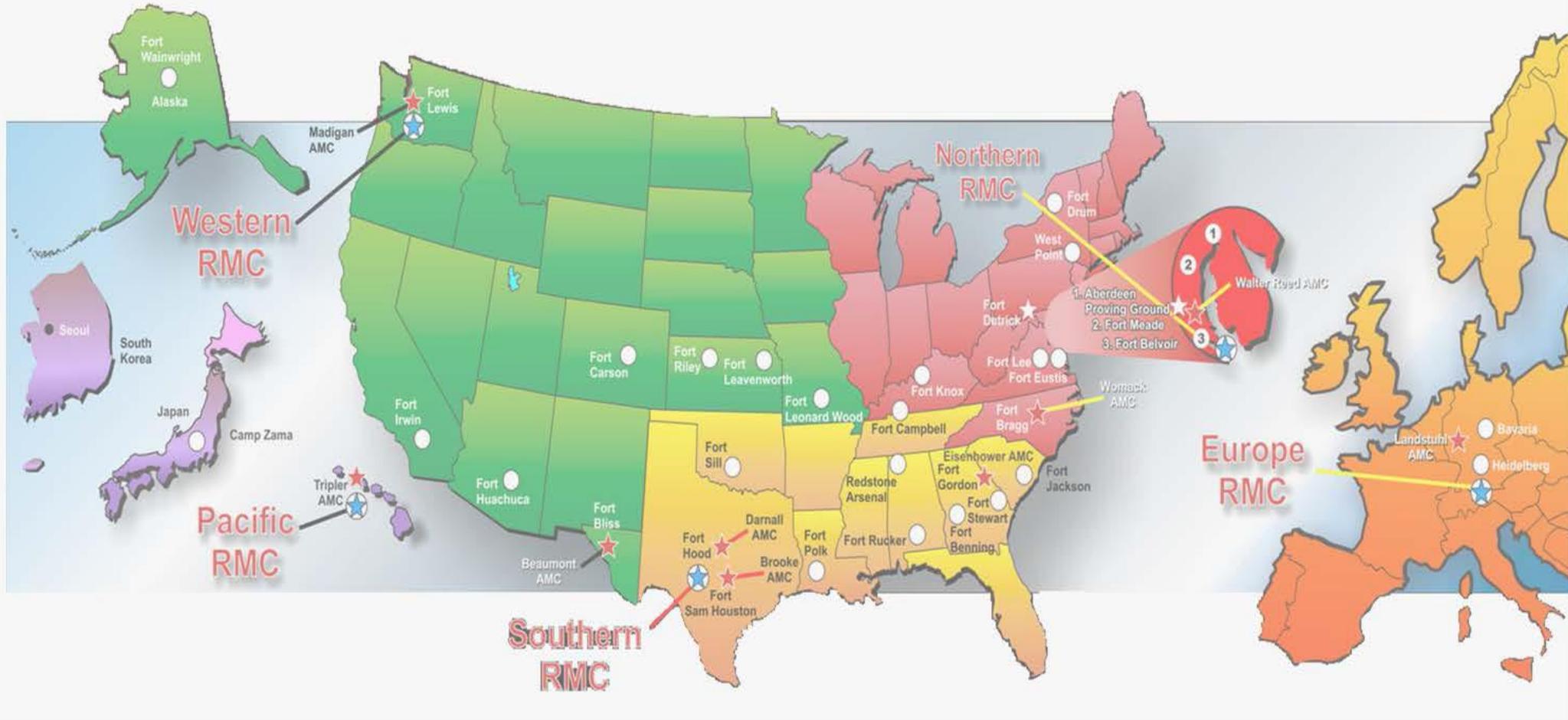


# Army Graduate Medical Education (GME)

- 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
  - 11 training hospitals; 71 residencies; 73 fellowships
- All programs accredited and in good standing by the Accreditation Council for Graduate Medical Education (ACGME)
- 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



# Army 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



# Civilian Partnerships for Training

- Emergency Medicine:
  - Medical College of Georgia
- General Surgery:
  - 2019 Match: UT- Houston; OHSU (Portland, OR)
- Neurosurgery:
  - University of Florida; UT- San Antonio
  - 2019 Match: Baylor
- Radiology:
  - Medical College of Georgia
- Urology:
  - UT-San Antonio; Duke University

\*ADTs are not authorized at these civilian training locations



# Army PGY-1 Match

- 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 2018
- 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: Emergency Medicine; Surgical Specialties: General Surgery, Orthopedics; Radiology
- Multiple options for those that do not match into specialty of choice



# Army PGY-1 Match

- Options for students that do not match into their primary specialty:
  - Rank secondary specialty on application
  - Rebuttal board (Scramble) for unfilled positions:
    - 2014: Internal Medicine: Neurology; Pathology; Pediatrics
    - 2015: Dermatology; Internal Medicine; Ob/Gyn; Pathology; Radiology
    - 2016: Family Medicine; Internal Medicine; Psychiatry
    - 2017: Anesthesiology; Family Medicine; Internal Medicine; Pathology; Urology
  - Transitional Year:
    - Apply for PGY-2 position
    - General Medical Officer Tour



# Civilian Training Opportunities

- 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 and 2017 PGY-1 match
  - 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)



# PGY-1 Application Trends: Number of Applicants Per Approved Positions

<b>SPECIALTY (Positions Offered)</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Emergency Medicine (32)	1.40	1.26	1.33	1.5	1.44
Family Medicine (47)	1.0	1.02	0.93	0.64	0.64
General Surgery (28)	1.41	1.59	1.26	1.25	1.08
General Surgery: Neurosurgery (2)	1.25	1.0	0.75	3.0	1.0
General Surgery: Urology (6)	1.80	1.20	1.50	0.67	0.67
Internal Medicine (58)	0.66	0.63	0.79	0.78	0.88
Neurology (4)	1.0	0.50	1.50	1.75	1.25
OB-GYN (16)	1.28	0.95	0.74	1.22	1.31
Orthopaedics (19)	0.95	1.52	1.26	1.40	1.58
Otolaryngology (7)	1.43	1.57	1.38	1.14	1.14
Pathology (8)	0.56	0.78	0.67	0.56	0.75
Pediatrics (24)	1.11	0.82	1.07	1.20	1.17

\*Number of positions offered in 2017 PGY-1 match; 2018 positions pending approval of the school year plan.



# PGY-1 Application Trends: Number of Applicants Per Approved Positions

<b>SPECIALTY (Positions Offered)</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Anesthesiology (13)	1.25	0.92	1.21	1.0	0.92
Prelim: Dermatology (7)	1.71	1.71	0.71	1.0	1.14
Prelim: Ophthalmology (7)	0.86	1.0	0.86	0.43	1.0
Prelim: Physical Medicine (3)	3.0	1.33	2.0	2.33	1.0
Prelim: Radiology (13)	1.14	1.15	0.79	1.29	1.85
Prelim: Radiation Oncology (1)				1.0	
Psychiatry (17)	0.82	1.24	1.0	0.65	1.18
Psychiatry/Internal Medicine (2)	2.0	4.0	2.0	2.0	.50

\*Number of positions offered in 2017 PGY-1 match; 2018 positions pending approval of the school year plan.



# Board Scores for Matched HPSP/USUHS Students(class of 2018)

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)	**	**	557 (498-614)	533 (444-606)
Psychiatry (220/232)	218 (197-235)	229 (214-246)	518 (495-642)	497 (430-660)
Internal Medicine (233/245)	228 (194-259)	237 (210-269)	517 (407-685)	526 (400-765)
Family Medicine (218/233)	214 (193-236)	231 (209-259)	497 (422-609)	485 (405-578)
General Surgery (232/247)	237 (207-260)	247 (221-259)	566 (473-654)	623 (494-714)
Orthopaedic Surgery (246/253)	244 (216-262)	258 (250-266)	641 (554-719)	700 (625-775)



# Board Scores for Matched HPSP/USUHS Students(class of 2018)

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)
<b>OB/GYN (227/242)</b>	225 (207-245)	238 (220-260)	518 (461-574)	582 (482-688)
<b>Urology</b>	225 (207-245)	238 (220-260)	**	**
<b>Dermatology (249/257)</b>	248 (241-253)	259 (243-268)	608 (529-649)	644 (529-718)
<b>Anesthesiology (230/241)</b>	231 (210-262)	246 (222-278)	548 (548-548)	627 (622-632)
<b>Pediatrics (227/241)</b>	222 (205-247)	238 (213-258)	462 (418-523)	518 (480-571)
<b>Ophthalmology</b>	242 (234-250)	245 (227-263)	659 (576-760)	607 (480-695)
<b>Otolaryngology (249/254)</b>	236 (221-257)	244 (231-260)		



# Board Scores for Matched HPSP/USUHS Students(class of 2018)

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)	221 (204-245)	239 (214-253)	573 (500-675)	561 (510-606)
Neurosurgery (230/243)	**	**		
Emergency Medicine (230/232)	239 (219-261)	251 (223-269)	554 (518-602)	632 (566-728)
Diagnostic Radiology (243/250)	240 (229-262)	255 (244-267)	608 (519-642)	644 (585-700)
PM&R (219/234)	241 (234-247)	246 (244-247)	**	**
** Data restricted to protect student privacy				



# Fellowship Opportunities

- Military and civilian-sponsored fellowship training opportunities
- Expectation of utilization tour following residency completion and prior to fellowship training
- Follow on assignments in hospitals supporting large active-duty troop populations, medical centers, and 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
- **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



# Potential Fellowship Opportunities

\*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



# Potential Fellowship Opportunities

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

- **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



# Potential Fellowship Opportunities

- \*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



# Potential Fellowship Opportunities

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

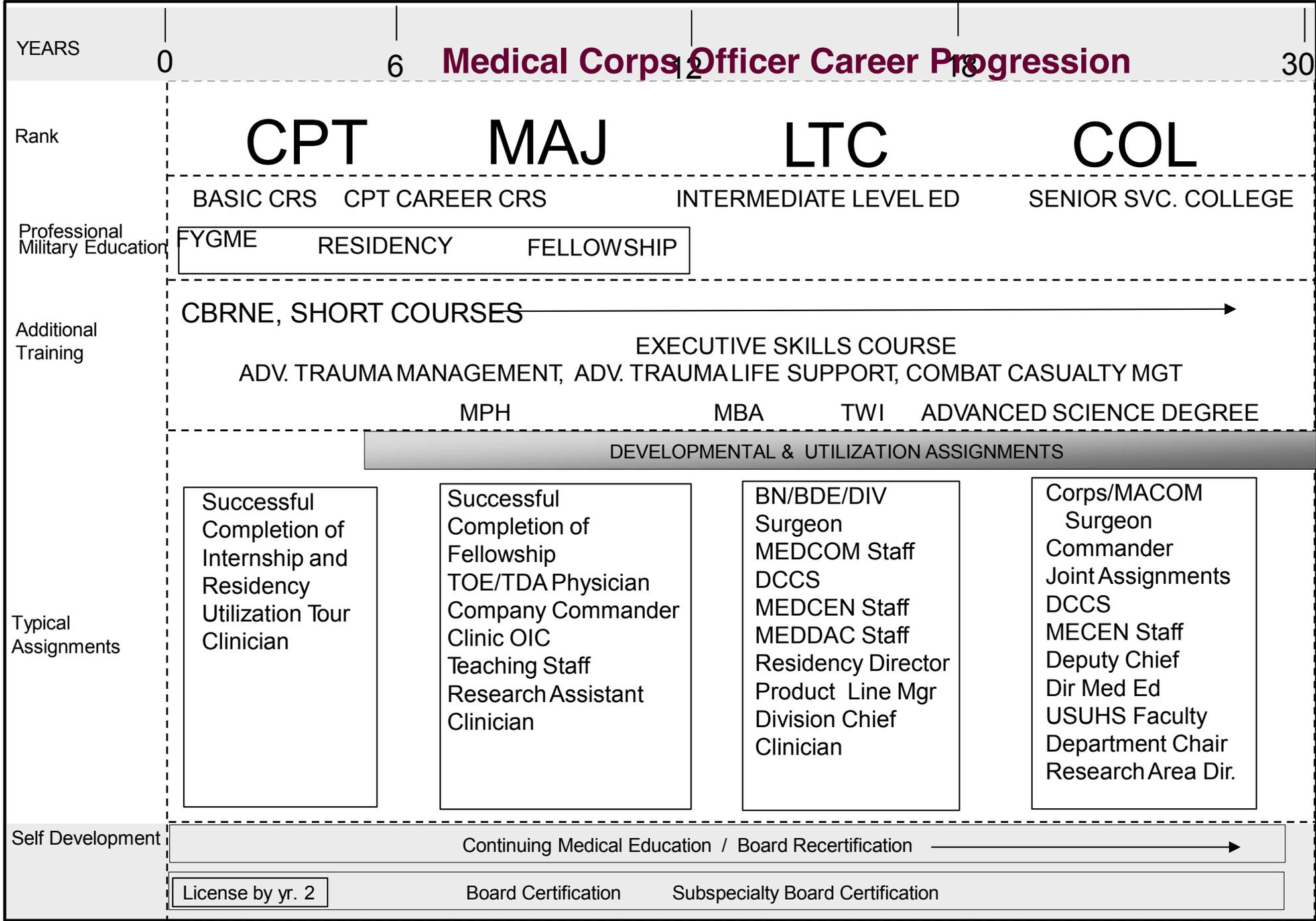
- **Urology:** Endourology; Female Urology; Impotence and Infertility; Stone/Laparoscopy Disease; Trauma Reconstructive Urological Surgery; Urological Oncology
- **Additional opportunities available to multiple specialties:** Adolescent Medicine; Allergy; Clinical Genetics; Clinical Informatics; Clinical 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



# Tips for Success

- 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





# QUESTIONS

COL Christine Lettieri

703-681-4809

[Christine.f.lettieri.mil@mail.mil](mailto:Christine.f.lettieri.mil@mail.mil)

HPSP Program Manager:

Mr. Art Covi

703-681-8038

[Arthur.I.covi.civ@mail.mil](mailto:Arthur.I.covi.civ@mail.mil)

PGY-1 Manager:

Ms. Patricia Norman

703-681-4804

[Patricia.g.norman.civ@mail.mil](mailto:Patricia.g.norman.civ@mail.mil)





# Army Medicine

Serving the nation since 1775



China 1944



44<sup>th</sup> MASH, Korea  
1954



Radiology residents  
1968

Serving to Heal...Honored to Serve

