

# **Army Medical Education**

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# Army Health Professions Scholarship Program

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- 167 medical schools
  - ~290 graduates annually
  - Provides 80% of active duty physicians
- Commissioned as 2LT in US Army Reserve (IRR)
- 100% tuition paid
- Required books and fees paid
- Monthly stipend (\$2,060./month) for 10.5 months each year
- Military pay (about \$5500.) 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 if opted to take Critical Skills Accession Bonus

# Army Graduate Medical Education

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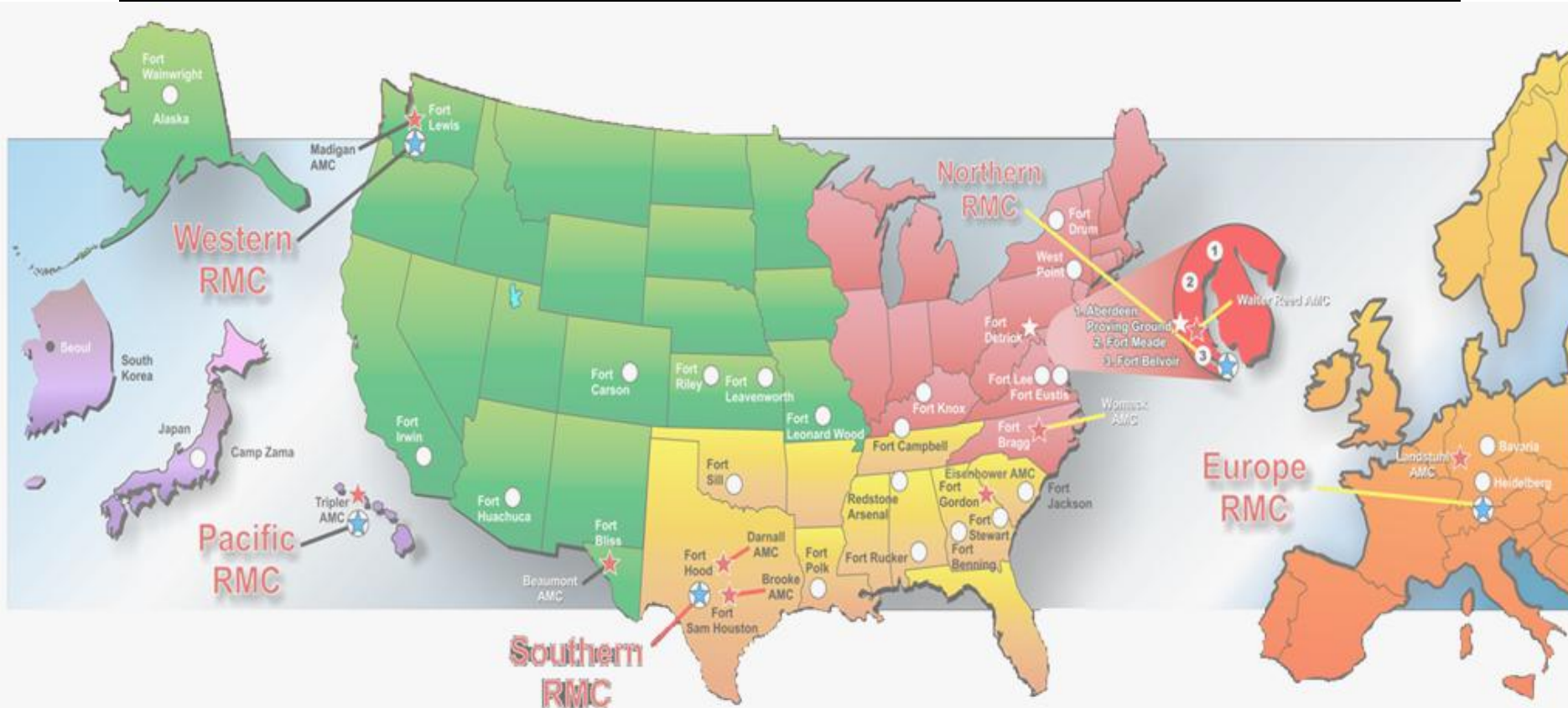
- Largest program in the military
  - 1329 docs training in our in-house programs; 108 in Army-sponsored civilian training; 53 in educational delay
- All Specialties
  - 11 teaching hospitals
  - 22 specialties, 70 residencies, 57 fellowships
- Majority of Army physicians train in Army GME programs
  - 29-33% of active duty Medical Corps officers are in GME at any given time
- All programs accredited by Accreditation Council for Graduate Medical Education
  - 66% of programs with 5 yr accreditation; 18% with 4 yr accreditation (civilian avg = 3.95 yr, Army avg = 4.5 yr)
- 94% first time board pass rate

# Medical Research

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- The U.S. Army Aeromedical Research Laboratory (USAARL), Fort Rucker, Alabama
- U.S. Army Institute of Surgical Research (USAISR), Fort Sam Houston, Texas
- U.S. Army Medical Research Institute of Chemical Defense (USAMRICD), Aberdeen Proving Ground, Maryland
- U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID), Fort Detrick, Maryland
- U.S. Army Research Institute of Environmental Medicine (USARIEM), Natick, Massachusetts
- Walter Reed Army Institute of Research (WRAIR), Forest Glen, Maryland
  - U.S. Army Dental Research Detachment
  - U.S. Army Medical Research Detachment
  - Armed Forces Research Institute of Medical Sciences-Thailand (AFRIMS)
  - U.S Army Medical Research Unit- Europe
  - U.S Army Medical Research Unit- Kenya

# Regional Medical Commands Teaching Hospitals



Walter Reed AMC  
Eisenhower AMC  
William Beaumont AMC

Womack AMC  
Martin ACH  
Madigan AMC

DeWitt ACH  
Darnall AMC  
Tripler AMC

Keller ACH (West Point)  
Brooke AMC

# Residencies

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- Internal Medicine
- Family Medicine
- Emergency Medicine
- Pediatrics
- Obstetrics/Gynecology
- General Surgery\*
- Neurosurgery
- Orthopaedics
- Urology
- Otolaryngology
- Preventive Medicine/  
Occupational Medicine\*
- Dermatology
- Radiology
- Radiation Oncology
- Anesthesiology
- Aerospace Medicine\*
- Neurology and Child Neuro
- 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 (FYGME) PROGRAMS - (PGY-1)



SPECIALTY	SAUSHEC	EAMC	MAMC	TAMC	NCC	WBAMC	WAMC	DARNALL	MARTIN	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						
Child Neurology					X						
OB-GYN	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	X					
Prelim Aerospace Medicine		X									
Prelim Anesthesiology	X	X	X	X	X	X					
Prelim Dermatology	X			X	X	X					
Prelim Ophthalmology	X	X	X	X	X	X					
Prelim Physical Medicine					X						
Prelim Preventive Medicine			X		X						
Prelim Radiation Oncology					X						
Prelim Radiology(DIAG)	X		X	X	X					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 Army Medical Center, Washington, DC/DeWitt Army Community Hospital, Fort Belvoir, VA/National Naval Medical Center, Bethesda, MD/Malcolm Grow Medical Center, Andrews AFB, MD/USUHS**

# Active Duty for Training (ADTs)

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- Training programs located on website
- 1<sup>st</sup> year - Basic Officer Leader Course (BOLC). If unable to attend then, need to complete before medical school graduation.
- 2<sup>nd</sup> year - School ADT or rotation at Army community hospital
- 3<sup>rd</sup> and 4<sup>th</sup> years - **Clinical rotations at Army hospitals**
- Any year - Research rotation at Walter Reed Army Institute of Research, Institute of Surgical Research, Armed Forces Institute of Pathology, Uniformed Services University
- Expectation to pass USMLE/COMLEX Parts I and II and CS and attend BOLC prior to graduation



# Deadlines

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- USMLE Step 1/COMLEX Level 1
  - Score due to HPSP office by September 15
- USMLE Step 2 CK/COMLEX Level 2 CE and ERAS application
  - Score due October 15
- Step 2 CS/Level 2 PE
  - Result due February 15

# AMEDD Officer Basic Leaders Course (USUHS/HPSP)



## OBLC Didactic Training (2 ½ weeks):

Inpr/TRADOC Tng	Basic Skills	ARMY & AMEDD
In-processing Personnel Finance RAPFT Customs & Courtesies Drill & Ceremony SRP EO/OPSEC/AFTB TRICARE/Concordia	Leader Development Troop Leading Procedures Issues OPORD PCI/PCC MOUT/Convoy/IED class CBRNE Training Cultural Awareness Land Nav Class Field San/Preventive Medicine	AMEDD Functional Areas Army & AMEDD Operational Doctrine Evacuation Continuum Medical Planning & Estimate MDMP Principles Army & Joint Medical Doctrine MEDPROS Law of War/ Military Justice Standards of Conduct/Ethics Midterm Exam

## OBLC Field Training (3 weeks):

FTX 1 Individual Skills	FTX 2 Collective Skills	FTX AMEDD AMEDD Specific
Land Navigation GPS CBRNE Training Communications Training M16/9MM Qualification Grenade Assault Course LRC & Obstacle Course Mounted Land Navigation Individual/Squad Movement	MOUT and Convoy Ops Media on the Battlefield Civilians on the Battlefield Combatives FOB Defense React to Indirect Fire Entry Control Points Rules of Engagement Process Captives	Mission brief Perform Basic First Aid Load/Unload Patients Plan/Establish BAS/AXP/Med Co MASCAL Operations MEDROE Decon CBRNE Casualties Level III Orientation (DEMSET)

Deploy to a  
FTX,  
Camp Bullis

Re-deploy  
back to  
FSH

## OBLC Didactic ( ½ week):

Officership
Training Management OPMS/EPMS NCOER/OER Administrative Actions Developmental Counseling Student Presentations Final Exam DASQA Survey Out-processing

No AOC Specific Training
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# First Year Graduate Medical Education

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- Mandatory application/participation
  - All participants must apply for training in military residency programs.
  - GME beyond FYGME will always be in military programs or sponsored training (on active duty) in civilian programs.
  - Civilian deferral and participation in the NRMP will be rare and only if authorized by GME office to fill additional training requirements.
- FYGME Letter of Instruction (LOI) and Fact Sheet released to 4<sup>th</sup> year students in July
- Application via ERAS and HPSP/FYGME website:  
No need to provide any documents to PDs during interview or ADT but may provide CV and photo.
- Army Match – computerized match similar to NRMP
  - Students declare specialty and rank all Army programs in that specialty
  - All programs will see all applicants who have identified them as a specialty of choice and will rank all applicants on their order of merit lists (OMLs). Programs are blinded to students' rankings of programs.
  - Computer sorts and matches using student's priority and program's OML
  - Applicants not matching to their specialty of choice match to a transitional year position. Some unfilled positions may be available at post-match rebuttal board.
  - Class of 2010: 86% of applicants selected for desired specialty; 89% within top 3 choices.
  - Active duty service obligation/completion date may change depending on length of residency

# PGY-1 Categorical Specialties

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- Emergency Medicine
- Family Medicine
- General Surgery
- Internal Medicine
- Neurology
- Neurosurgery
- OB-GYN
- Orthopaedics
- Otolaryngology
- Pathology
- Pediatrics
- Psychiatry

# Designated Preliminary/Pre-Select Specialties

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- General Surgery
  - Urology
- Transitional Year
  - Undesignated
  - Designated
    - Aerospace Medicine\*
    - Anesthesiology
    - Dermatology
    - Ophthalmology
    - Physical Medicine
    - Preventive Medicine/Occupational Medicine\*
    - Radiation Oncology
    - Radiology (Diagnostic)

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

# Applications For FYGME

## Applicants Per Approved Positions



<b>SPECIALTY (#slots 2011)</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
Emergency Medicine (28)	1.25	1.23	1.63	1.15	1.14	1.36
Family Medicine (44)	1.09	0.80	0.58	0.56	0.88	1.07
General Surgery (26)	1.29	1.10	0.92	1.65	1.84	1.65
GS Neurosurgery (3)	0.50	1.00	1.00	7.00	1.50	1.33
GS Urology (7)	1.57	1.00	1.17	1.57	0.57	0.71
Internal Medicine (58)	0.84	1.06	0.75	0.65	0.71	0.66
Neurology (6)	1.20	0.60	0.33	1.20	0.50	0.83
Child Neurology (1)	0.00	0.00	0.00	0.00	0.00	1.00
OB-GYN (17)	1.53	1.13	1.20	1.20	0.59	0.83
Orthopaedics (19)	1.36	1.95	1.84	1.47	0.89	1.21
Otolaryngology (7)	1.28	4.00	1.14	1.00	1.71	1.33
Pathology (6)	1.16	0.50	1.17	1.00	1.00	1.17
Pediatrics (26)	1.20	0.88	0.92	0.62	0.62	0.92
Psychiatry (15)	0.83	1.07	0.64	0.71	0.87	0.88

# Applications For FYGME (continued)

## Applicants Per Approved Positions



<b>SPECIALTY (#slots 2011)</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
Psychiatry/Internal Medicine (0)	0.50	1.50	0.50	1.50	2.00	0.00
Transitional (15)	0.27	0.06	0.20	0.13	0.13	0.13
Prelim Aerospace Medicine (1)	0.50	0.50	0.00	0.00	1.00	0.00
Prelim Anesthesiology (12)	1.33	1.42	1.25	1.50	0.83	1.25
Prelim Dermatology (7)	1.62	1.29	0.57	1.29	1.29	0.71
Prelim Ophthalmology (7)	1.42	1.14	0.72	1.57	0.86	0.43
Prelim Physical Medicine (3)	1.66	2.00	3.33	1.00	1.33	2.00
Prelim Preventive Medicine (2)	0.25	0.67	0.75	0.50	0.50	1.00
Prelim Radiation Oncology (1)	2.00	0.00	2.00	1.00	0.00	1.00
Prelim Radiology (Diag) (15)	1.25	1.00	1.67	1.00	0.87	0.87

# Board Scores for Matched HPSP Students(2010)

(2008 national means for matched US students)	USMLE Step 1 Mean/Min	USMLE Step 2 Mean/Min	COMLEX Lvl 1 Mean/Min	COMLEX Lvl 2 Mean/Min
Neurology (225/231)	227/227	204/204	490/435	455/446
Psychiatry (216/221)	212/191	216**/181	452/414	468**/353
Internal Medicine (225/232)	226/203	231/189	485/415	467**/362
Family Medicine (214/223)	208/170	221/162	470/411	501**/332
General Surgery (224/231)	221/192	235/197	579/520	521/468
Orthopedic Surgery (238/241)	235/213	235/204	673/654	608/555
PM&R (214/220)	220/218	213/205	537/537	510/510
Diagnostic Radiology (238/242)	244/215	248/235	603/528	610/489



# Board Scores for Matched HPSP Students(2010)

(2008 national means for matched US students)	USMLE Step 1 Mean/Min	USMLE Step 2 Mean/Min	COMLEX Lvl 1 Mean/Min	COMLEX Lvl 2 Mean/Min
Preventive Medicine	250/250	245/245		
OB/GYN (219/229)	212/189	208/194	509/460	515/428
Urology	231/205	231/225		
Dermatology (242/251)	230/221	237/226		
Anesthesiology (224/230)	233/206	236/209	520/485	550/477
Pediatrics (219/229)	206/190	212/191	483/429	518/402
Ophthalmology (235/	213/196	203/194		
Otolaryngology (240/246)	220/220	212/212		

# Board Scores for Matched HPSP Students(2010)

(2008 national means for matched US students)	USMLE Step 1 Mean/Min	USMLE Step 2 Mean/Min	COMLEX Lvl 1 Mean/Min	COMLEX Lvl 2 Mean/Min
Pathology (227/230)	222/220	224/223	616/605	576/534
Neurosurgery (239/237)	237/226	246/232		
Emergency Medicine (222/230)	225/188	230**/174	490/445	512/428
Transitional (236/239)			435/435	447**/388
** failing scores not included in calculation of mean				

# VA-DoD Training Opportunities

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- Intern year in Army program
- Remainder of residency in VA-sponsored program
  - Radiology – Medical College of Georgia; UT San Antonio
  - Urology – UT San Antonio; Duke University
  - Neurosurgery\* – University of Florida; UT San Antonio

\*Entirety of training in VA-sponsored program

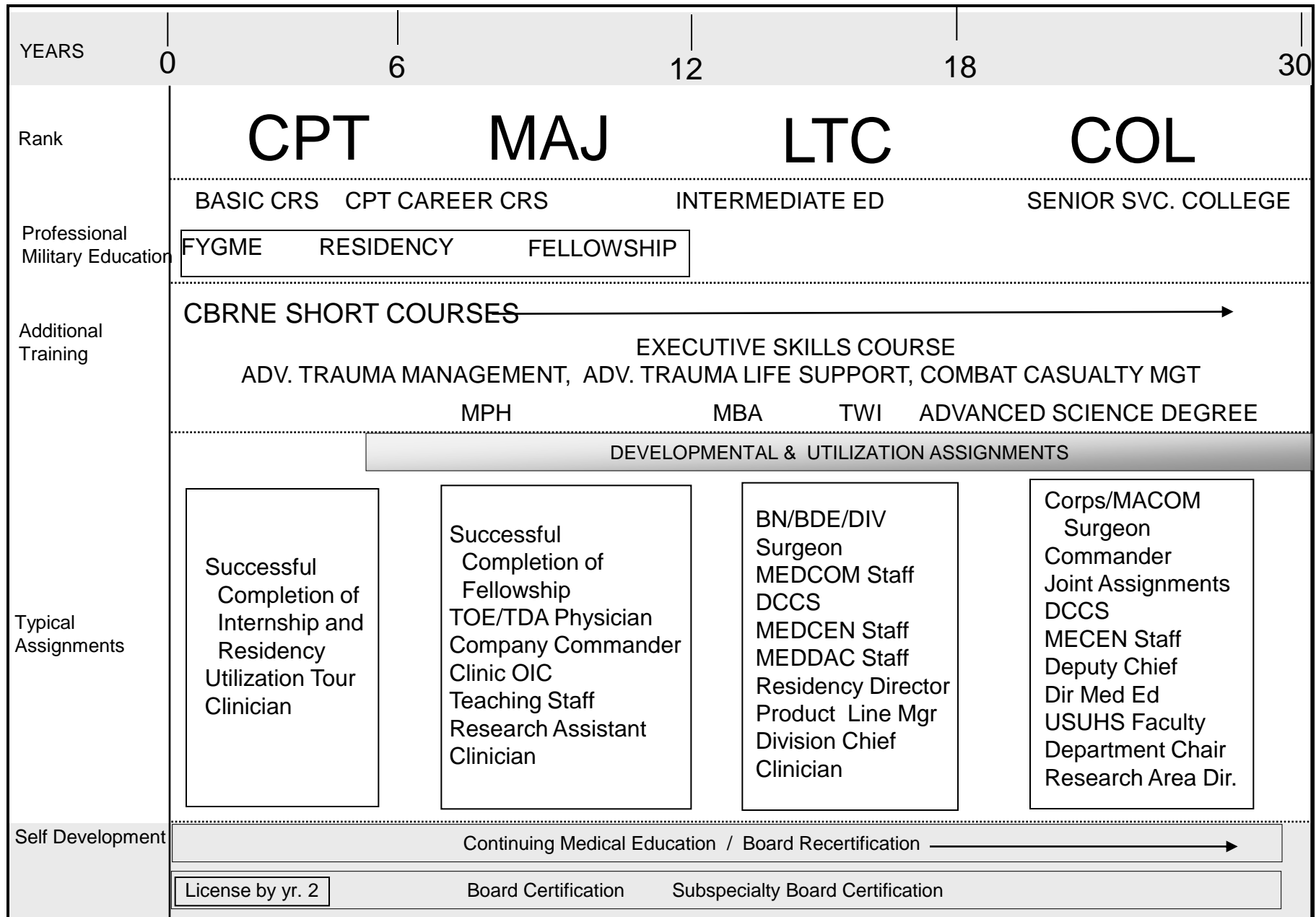
# 2010 Army GMESB Selection Summary Report

## Fellowship Training



	Selects Inservice Military	Selects Deferred	Selects Civilian Sponsored	Total Selects	Non- Selects	Total Applicants	Inservice Select Rate	Overall Select Rate
Utilization/ Field	46	0	26	<b>72</b>	23	95	48%	76%
Interns	0	0	0	<b>0</b>	0	0	0%	0%
Current Deferred	1	0	0	<b>1</b>	6	7	14%	14%
Current Residents	30	0	29	<b>59</b>	57	116	26%	51%
Civilian	1	0	0	<b>1</b>	2	3	33%	33%
<b>Totals</b>	<b>78</b>	<b>0</b>	<b>55</b>	<b>133</b>	<b>88</b>	<b>221</b>	<b>35%</b>	<b>60%</b>
Female	19	0	10	<b>29</b>	22	51	37%	57%
Minorities	21	0	12	<b>33</b>	26	59	36%	56%
<b>Totals</b>	<b>40</b>	<b>0</b>	<b>22</b>	<b>62</b>	<b>48</b>	<b>110</b>	<b>36%</b>	<b>56%</b>

# Medical Corps Officer Career Progression



# Army Medicine

**Serving the nation since 1775**



China 1944



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



Radiology residents  
1968

